

The Magazine of Standards

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March 1960

1960

AMERICAN STANDARDS

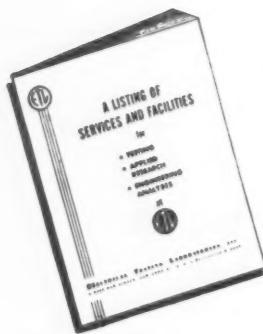
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BRAZIL: Associação Brasileira de Normas Técnicas, Caixa Postal 1680, Rio de Janeiro

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PORTUGAL: Repartião de Normalização, Avenida de Berna 1, Lisbon

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VENEZUELA: Comisión Venezolana de Normas Industriales, Dirección de Industrias, Ministerio de Fomento, Caracas

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AASHTO	American Association of State Highway Officials	EIA	Electronic Industries Association
AATCC	American Association of Textile Chemists and Colorists	IPCEA	Insulated Power Cable Engineers Association
ACI	American Concrete Institute	IRE	Institute of Radio Engineers
AGMA	American Gear Manufacturers Association	ITE	Institute of Traffic Engineers
AIA	American Institute of Architects	JAN	Joint Army-Navy Specification
AIEE	American Institute of Electrical Engineers	NBFU	National Board of Fire Underwriters
API	American Petroleum Institute	NBS	National Bureau of Standards
ASRE	American Society of Refrigerating Engineers	NEMA	National Electrical Manufacturers Association
ASTM	American Society for Testing Materials	NFPA	National Fire Protection Association
AWWA	American Water Works Association	RETMA	Radio-Electronics-Television Manufacturers Association; name changed to Electronic Industries Association (EIA)
BLS	U. S. Bureau of Labor Statistics Bulletin	SAE	Society of Automotive Engineers
BMTP	U. S. Bureau of Mines Technical Paper	SPR	Simplified Practice Recommendation
		UL	Underwriters' Laboratories

Legend

A solid star (★) indicates new and revised standards approved since the last (March 1959) issue of this list.

An open star (☆) indicates that the standard is not yet available and price will be announced at a later date.

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R indicates reaffirmed as up to date—no change.

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A1.3-1954	Masonry Cement, Specifications for (ASTM C91-53)30	A1.16-1954	Time of Setting of Hydraulic Cement by the Vicat or Gillmore Needles, Methods of Test for (ASTM C191-52)30
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A1.5-1954	Chemical Analysis of Portland Cement, Methods of (ASTM C114-53; AASHO T105-53 [Part I])60	A2.1-1956	Time of Setting of Hydraulic Cement by Gillmore Needles, Method of Test for (ASTM C266-51T)30
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A37.2-1951	.30	Float Test for Bituminous Materials, Method of (ASTM D139-49; AASHO T50-49)	
A37.3-1954	.30	Determination of Bitumen, Method of Test for (ASTM D4-52)	
A37.4-1951	.30	Amount of Material Finer than No. 200 Sieve in Aggregates, Method of Test for (ASTM C117-49; AASHO T11-49)	
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A37.8-1947 R1948	.30	Sieve Analysis of Fine and Coarse Aggregates, Method of Test for (ASTM C136-46; AASHO T27-46)	
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A37.19-1957	.30	Organic Impurities in Sands for Concrete, Method of Test for (ASTM C40-56T)	
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A37.21-1948	.30	Surface Moisture in Fine Aggregate, Method of Test for (ASTM C70-47)	
A37.22-1958	.30	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading), Method of Test for (ASTM C78-57; AASHO T97)	
A37.23-1957	.30	Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate, Method of Test for (ASTM C88-56T; AASHO T104)	
A37.24-1951	.30	Compressive Strength of Concrete Using Portions of Beams Broken in Flexure (Modified Cube Method), Method of Test for (ASTM C116-49; AASHO T140-49)	
A37.25-1958	.30	Lightweight Pieces in Aggregate, Method of Test for (ASTM C123-57T)	
A37.26-1948	.30	Flow of Portland-Cement Concrete by Use of the Flow Table, Method of Test for (ASTM C124-39; AASHO T120-42)	

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A37.27-1948 Weight per Cubic Foot, Yield, and Air Content (Gravimetric) of Concrete, Method of Test for (ASTM C138-44; AASHO T121-45)30	A37.31-1958 Wetting-and-Drying Tests of Compacted Soil-Cement Mixtures, Method of (ASTM D559-57; AASHO T135)30
A37.28-1957 Clay Lumps in Natural Aggregates, Method of Test for (ASTM C142-55T; AASHO T112-55)30	A37.52-1958 Freezing-and-Thawing Test of Compacted Soil-Cement Mixtures, Method of (ASTM D560-57; AASHO T136)30
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A37.30-1957 Sampling of Fresh Concrete, Method of (ASTM C172-54; AASHO T141)30	A37.54-1948 Cut-back Asphalt (Medium Curing Type), Specifications for (ASTM D598-46; AASHO M82-42)30
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A37.37-1958 Calcium Chloride, Specifications for (ASTM D98-56T)30	A37.61-1957 Subgrade Paper, Specifications for (AASHO M74-55)30
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A37.40-1948 Granite Block for Durax Pavements, Specifications for (ASTM D132-39)30	A37.64-1948 Percentage of Bitumen and Bituminous Mixtures, Method of Test for (AASHO T58-37)30
A37.41-1948 Mineral Filler for Sheet Asphalt and Bituminous Concrete Pavements, Specifications for (ASTM D242-39; AASHO M17-42)30	A37.65-1948 Flash Point with Tagliabu Open Cup, Method of Test for (AASHO T79-42)30
A37.42-1957 Testing Emulsified Asphalts, Methods of (ASTM D244-55; AASHO T59)30	A37.66-1948 Swell Characteristics of Aggregates, Methods of Test for (AASHO T101-42)30
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A37.50-1958 Moisture-Density Relations of Soil-Cement Mixtures, Method of Test for (ASTM D558-57; AASHO T134)30	A37.74-1951 Materials for Cement Grout Filler for Brick and Stone Block Pavements, Specifications for (ASTM D57-20)30

Note: Available only in 3-volume edition (not sold separately) of Standard Specifications for Highway Materials and Methods of Sampling and Testing, published by AASHO, 917 National Press Building, Washington 4, D. C., \$10.00.

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	Price		Price
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★A49.3-1959 Gypsum Plasters, Specifications for (ASTM C28-58)30	A81.1-1953 Solid Load-Bearing Concrete Masonry Units, Specifications for (ASTM C145-52)	30
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Basic Procedure in Panel Spalling Test for Refractory Brick, Method for (ASTM C38-58)30		
A111.7-1955	.30		
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A111.10-1955	.30		
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★B5.3-1960	Milling Cutters, Nomenclature, Principal Dimensions, etc
★B5.4-1959	Taps, Cut and Ground Threads
★B5.5-1959	Rotating Air Cylinders and Adapters
B5.6-1941 R1949	Jig Bushings
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B5.11-1954	Spindle Noses and Adjustable Adapters for Multiple Spindle Drilling Heads
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B6.8-1950	Fine-Pitch Straight Bevel Gears (AGMA 206.03)
B6.9-1956	Design for Fine-Pitch Worm Gearings (AGMA 374.03)
B6.10-1954	Gear Nomenclature, Terms, Definitions, and Illustrations (AGMA 112.03)

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B16.4-1949 R1953	Cast-Iron Screwed Fittings, 125 and 250 lb. 1.50
B16.5-1957	Steel Pipe Flanges and Flanged Fittings 3.00
B16.9-1958	Steel Butt-Welding Fittings 1.50
B16.10-1957	Face-to-Face and End-to-End Dimensions of Ferrous Valves 1.50
B16.11-1946 R1952	Steel Socket-Welding Fittings 1.00
B16.12-1953	Cast-Iron Screwed Drainage Fittings 1.00
B16.14-1949 R1953	Ferrous Plugs, Bushings, and Locknuts with Pipe Threads 1.00
B16.15-1958	Brass or Bronze Screwed Fittings, 125 lb. 1.50
B16.16-1948 R1952	Cast-Iron Flanges and Flanged Fittings for Refrigerant Piping, Class 300 1.00
B16.17-1949 R1953	Brass or Bronze Screwed Fittings, 250 lb. 1.00
B16.18-1950	Cast-Brass Solder-Joint Fittings 1.50
B16.19-1951 R1958	Malleable-Iron Screwed Fittings, Class 300. 1.00
B16.20-1956	Ring-Joint Gaskets and Grooves for Steel Pipe Flanges 1.00
B16.21-1951	Nonmetallic Gaskets for Pipe Flanges 1.00
B16.22-1951	Wrought Copper and Bronze Solder-Joint Fittings 1.00
★B16.23-1960	Cast-Bronze Solder-Joint Drainage Fittings 2.00
B16.24-1953	Brass or Bronze Flanges and Flanged Fittings, 150 and 300 lb. 1.00
B16.25-1958	Butt-Welding Ends for Pipe, Valves, Flanges, and Fittings 1.00
B16.26-1958	Brass Fittings for Flared Copper Tubes (Supersedes A40.2-1936) 1.00
●	
B17f-1930 R1955	Woodruff Keys, Keyslots, and Cutters 1.00

	Price
● B18 — Bolts and Nuts:	
B18.1-1955	Small Solid Rivets 1.50
B18.2-1955	Square and Hexagon Bolts and Nuts 2.00
B18.3-1954	Socket Head Cap Screws and Socket Set Screws 1.50
B18.4-1950 R1957	Large Rivets (1/2 Inch Nominal Diameter and Larger) 1.50
B18.5-1952 R1959	Round Head Bolts 1.50
B18.6-1947	Slotted and Recessed Head Screws, Machine and Tapping Types (For partial revisions of this standard, see B18.6.1-1956, B18.6.2-1956 and B18.6.4-1958) <i>Out of Print</i>
B18.6.1-1956	Slotted and Recessed Head Wood Screws, (Partial Revision of B18.6-1947) 1.00
B18.6.2-1956	Hexagon Head Cap Screws, Slotted Head Cap Screws, Square Head Set Screws, and Slotted Headless Set Screws (Partial Revision of B18.6-1947) 1.50
B18.6.4-1958	Slotted and Recessed Head Tapping Screws and Metallic Drive Screws (Partial Revision of B18.6-1947) 4.00
B18.6-1950 R1958	High-Strength High-Temperature Internal Wrenching Bolts 1.00
B18.9-1958	Plow Bolts 1.50
B18.10-1952	Track Bolts and Nuts 1.50
●	
B19-1938	Compressed Air Machinery and Equipment, Safety Code for <i>Out of print</i>
B20.1-1957	Conveyors, Cableways and Related Equipment, Safety Code for 1.50
B24.1-1952 R1959	†Forging and Hot Metal Stamping, Safety Code for 1.00
B26-1925 R1953	Fire-Hose Couplings Screw Thread 1.00
B27.1-1958	Lock Washers 2.00
B27.2-1958	Plain Washers 1.00
B28.1-1949 R1959	†Mills and Calenders in the Rubber Industry, Safety Code for 2.00
● B29 — Transmission Chains	
B29.1-1957	Transmission Roller Chains and Sprocket Teeth (SAE SP-69) 3.00
B29.2-1957	Inverted Tooth (Silent) Chains and Sprocket Teeth (SAE SP-68) 2.00
B29.3-1954	Double-Pitch Power Transmission Roller Chains and Sprockets (SAE SP-90) 2.00
B29.4-1954	Double-Pitch Conveyor Roller Chains, Attachments, and Sprockets (with Addenda B29.4a-1958) (SAE SP-91) 2.00
B29.5-1954	Attachments for Transmission Roller Chains (SAE SP-92) 1.00
B29.6-1954	Steel Detachable Link Chain and Attachments (SAE SP-93) 2.00
B29.7-1954	Malleable-Iron Detachable Link Chain and Attachments (SAE SP-94) 3.00
B29.8-1958	Leaf Chain (SAE TR-97) 3.00
B29.9-1958	Small Pitch Silent Chains and Sprocket Tooth Form (Less than $\frac{5}{8}$ inch Pitch) (SAE TR-96) 2.00
●	
B30.1-1943 R1952	Jacks, Safety Code for 1.00
B30.2-1943 R1952	Cranes, Derricks, and Hoists, Safety Code for 2.50

ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

		Price	Price
●	B31 — Pressure Piping		
B31.1-1955	Code for Pressure Piping.....	3.50	
	(Current except for Sections on Refinery and Oil Transportation Piping which are listed below.)		
★ B31.3-1959	Petroleum Refinery Piping (Partial Revision of B31.1-1955).....	4.00	
★ B31.4-1959	Oil Transportation Piping (Partial Revision of B31.1-1955).....	2.50	
B31.8-1958	Gas Transmission and Distribution Piping Systems (Revision of B31.8-1955).....	2.50	
	● Preferred Thicknesses for Uncoated Thin Flat Metals (Under 0.250 in.)	1.00	
B33.1-1935	Hose Coupling Screw Threads	1.00	
	R1947		
●	B36 — Iron and Steel Pipe:		
B36.1-1959	Welded and Seamless Steel Pipe, Specifications for (ASTM A53-58; ASME SA-53) .....	.30	
B36.2-1958	Welded Wrought-Iron Pipe, Specifications for (ASTM A72-56T; ASME SA-72) .....	.30	
★ B36.3-1959	Seamless Carbon-Steel Pipe for High-Temperature Service, Specifications for (ASTM A106-58T; ASME SA-106) .....	.30	
B36.4-1956	Electric-Fusion (Arc)-Welded Steel Plate Pipe Sizes, 16 in. and Over, Specifications for (ASTM A134-54) .....	.30	
B36.5-1956	Electric-Resistance-Welded Steel Pipe, Specifications for (ASTM A155-55T; ASME SA-135) .....	.30	
★ B36.9-1959	Electric-Fusion (Arc)-Welded Steel Pipe, Sizes 4 in. and Over, Specifications for (ASTM A139-58) .....	.30	
★ B36.10-1959	Wrought-Steel and Wrought-Iron Pipe	1.50	
B36.11-1958	Electric-Fusion-Welded Steel Pipe for High-Temperature Service, Specifications for (ASTM A155-56T) .....	.30	
★ B36.12-1959	Seamless Steel Boiler Tubes, Specifications for (ASTM A83-58T; ASME SA-83) .....	.30	
★ B36.13-1959	Electric-Resistance-Welded Steel and Open-Hearth Iron Boiler Tubes, Specifications for (ASTM A178-58T; ASME SA-178) .....	.30	
B36.14-1956	Seamless Steel Boiler Tubes for High-Pressure Service (ASTM A192-55T; ASME SA-192) .....	.30	
★ B36.15-1959	Medium-Carbon Seamless Steel Boiler and Superheater Tubes, Specifications for (ASTM A210-58T; ASME SA-210) .....	.30	
B36.16-1956	Spiral-Welded Steel or Iron Pipe, Specifications for (ASTM A211-54) .....	.30	
B36.17-1956	Seamless Alloy Steel Boiler, Superheater, and Heat Exchanger Tubes, Specifications for (ASTM A213-55T; ASME SA-213) .....	.30	
B36.18-1956	Electric-Resistance-Welded Steel Boiler and Superheater Tubes for High-Pressure Service (ASTM A226-55T; ASME SA-226) .....	.30	
B36.19-1957	Stainless Steel Pipe	1.00	
B36.20-1958	Black and Hot-Dipped Zinc-Coated (Galvanized) Welded and Seamless Steel Pipe for Ordinary Uses, Specifications for (ASTM A120-54) .....	.30	
★ B36.23-1959	Welded and Seamless Open-Hearth Iron Pipe, Specifications for (ASTM A253-58) .....	.30	
B36.26-1956	Seamless and Welded Austenitic Stainless Steel Pipe, Specifications for (ASTM A312-55) .....	.30	
	● Food-Storage Volume and Shelf Area of Automatic Household Refrigerators, Method of Computing (NEMA HRF 1-1953) .....	.35	
	● Household Electric Refrigerators (Mechanically Operated), Test Procedures for (NEMA HRF2-1955) .....	.75	
	● Methods of Rating and Testing Home Freezers (NEMA FH1-55; ASRE 13) .....	.50	
	● Indicating Pressure and Vacuum Gages	1.50	
	● Surface Roughness, Waviness, and Lay	1.50	
	● Gage Blanks (CS8-51 with 1955 Supplement) .....	.45	

★, approved since last price list; ★, not yet available; †, quantity prices apply; R, reaffirmed

	Price
B48.1-1933 R1947	†Inch-Millimeter Conversion for Industrial Use 50
B49.1-1947	Shaft Couplings, Integrally Forged Flange Type for Hydro-Electric Units 1.00
B53.1-1958	Refrigeration Terms and Definitions (ASRE 12-58) 1.25
★B54.1-1960	†Ball and Roller Bearings, Identification Code for 4.00
★B56.1-1959	Powered Industrial Trucks, Safety Code for 1.50
B57.1-1957	Compressed Gas Cylinder Valve Outlet and Inlet Connections (CGA V-1) 1.50
B58.1-1955	Deep Well Vertical Turbine Pumps, Specifications for 50
B59.1-1958	Mechanical Refrigeration Installations on Shipboard, Practice for (ASRE 26-56) 1.00
B60.1-1950	Refrigerant Expansion Valves, Method of Rating and Testing (ASRE 17-R) 1.00
B64	See MH3 on page 31.
B65.1-1954	†Controls and Signaling Devices for Graphic Art Presses, Safety Code for 50
B67.1-1958	Diamond Dressing Tools 1.00
B70.1-1954	Refrigeration Flare-Type Fittings (SAE SP-95) 2.00
B74.1-1957	†Diamond Wheel Shapes, Identification Code for ..... .75
B75.1	(Revised and redesignated as MH4.1-1958)
★B80.1-1959	†Throw-Away Carbide Inserts for Cutting Tools, Specifications for 4.50

C — Electrical Engineering

(Special price of series, including acoustical and applicable abbreviation and symbol standards, \$220.00)

★C1-1959	National Electrical Code: Paper Bound Edition, 4 3/4 x 7 1/4 in., NFPA 70 1.00 Pocket Edition, 4 1/4 x 6 1/2 in., NBFU 70 ..... .25
●C2 — National Electrical Safety Code (NBS Handbook H30):	
C2.1-1941 R1947	Installation and Maintenance of Electrical Supply Stations, Safety Rules for the (NBS Handbook H31) 2.25
C2.2-1941 R1947	Installation and Maintenance of Electric Supply and Communication Lines, Safety Rules for the (NBS Handbook H32) 2.25
C2.3-1941 R1947	Installation and Maintenance of Electric Utilization Equipment, Safety Rules for the (NBS Handbook H33) 2.25
C2.4-1939 R1947	Operation of Electric Equipment and Lines, Safety Rules for the (NBS Handbook H34) 2.25
C2.5-1940 R1947	Radio Installations, Safety Rules for (NBS Handbook H35) 2.25
●C5 — Protection against Lightning, Code for (NFPA 78):	
★C5.1-1959	Part I, Protection of Persons 50
★C5.2-1959	Part II, Protection of Buildings and Miscellaneous Property 50
★C5.3-1959	Part III, Protection of Structures Containing Flammable Liquids and Gases 50
C6.1-1956	Terminal Markings for Electrical Apparatus 1.00

	Price
●C7 — Bare Wire:	
C7.1-1957	Soft or Annealed Copper Wire, Specifications for (ASTM B3-56) ..... .30
C7.2-1953 2nd ed. R1957	Hard-Drawn Copper Wire, Specifications for (ASTM B1-53T) ..... .30
C7.3-1953	Medium-Hard-Drawn Copper Wire, Specifications for (ASTM B2-52) ..... .30
C7.4-1957	Tinned Soft or Annealed Copper Wire for Electrical Purposes, Specifications for (ASTM B33-56T) ..... .30
C7.5-1956	Bronze Trolley Wire, Specifications for (ASTM B9-55) ..... .30
C7.6-1956	Copper Trolley Wire, Specifications for (ASTM B47-55) ..... .30
C7.7-1953	Hot-Rolled Copper Rods for Electrical Purposes, Specifications for (ASTM B49-52) ..... .30
C7.8-1957	Concentric-Lay-Stranded Copper Conductors, Hard, Medium-Hard, or Soft, Specifications for (ASTM B8-56) ..... .30
★C7.9-1959	Soft Rectangular and Square Bare Copper Wire for Electrical Conductors, Specifications for (ASTM B48-58) ..... .30
C7.10-1956	Hard-Drawn Copper Alloy Wires for Electrical Conductors, Specifications for (ASTM B105-55) ..... .30
C7.11-1956	Figure-9 Deep-Section Grooved and Figure-8 Copper Trolley Wire for Industrial Haulage, Specifications for (ASTM B116-55) ..... .30
★C7.12-1959	Rope-Lay Stranded Copper Conductors Having Bunch-Stranded Members, for Electrical Conductors, Specifications for (ASTM B172-58) ..... .30
★C7.13-1959	Rope-Lay Stranded Copper Conductors Having Concentric-Stranded Members, for Electrical Conductors, Specifications for (ASTM B173-58) ..... .30
★C7.14-1959	Bunch-Stranded Copper Conductors for Electrical Conductors, Specifications for (ASTM B174-58) ..... .30
C7.15-1957	Lead-Coated and Lead-Alloy-Coated Soft Copper Wire for Electrical Purposes, Specifications for (ASTM B189-56T) ..... .30
C7.16-1957	Cored, Annular, Concentric-Lay-Stranded Copper Conductors, Specifications for (ASTM B226-56) ..... .30
C7.17-1958	Hard-Drawn Copper Covered Steel Wire, Specifications for (ASTM B227-57) ..... .30
C7.18-1957	Concentric-Lay-Stranded Copper Covered Steel Conductors, Specifications for (ASTM B228-56) ..... .30
C7.19-1957	Concentric-Lay-Stranded Copper and Copper Covered Steel Composite Conductors, Specifications for (ASTM B229-56) ..... .30
C7.20-1956	Hard-Drawn Aluminum Wire for Electrical Purposes, Specifications for (ASTM B230-55T) ..... .30
★C7.21-1959	Concentric-Lay-Stranded Aluminum Conductors, Hard-Drawn, Three-Quarter Hard-Drawn and One-Half Hard-Drawn, Specifications for (ASTM B231-58) ..... .30
★C7.22-1959	Concentric-Lay-Stranded Aluminum Conductors, Steel-Reinforced (ACSR), Specifications for (ASTM B232-58T) ..... .30

ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

	Price		Price
● C7 — Bare Wire (Continued)		● C8 — Insulated Wire (Continued)	
C7.23-1956 Rolled Aluminum Rods (EC Grade) for Electrical Purposes, Specifications for (ASTM B233-55) .....	.30	C8.13-1948 Varnished Cambric Insulated Cables, Specification for (IPCEA S-2-1946) ... <i>Out of print</i>	
★C7.24-1959 Resistivity of Electrical Conductor Materials, Method of Test for (ASTM B193-58) .....	.30	C8.15-1958 Metallic and Associated Coverings for Insulated Cables, Requirements for (IPCEA S-54-401; NEMA WC 2-1958)	1.00
★C7.25-1959 Copper Bus Bar, Rod, and Shapes, Specification for (ASTM B187-58) .....	.30	C8.16-1953 †Rubber-Insulated Tree Wire, Specifications for .....	.50
★C7.26-1959 Seamless Copper Bus Pipe and Tube, Specification for (ASTM B188-58) .....	.30	C8.17-1954 AO 30% Hevea Rubber Compound for Insulated Wire and Cable (ASTM D 27-52T) .....	.50
C7.27-1956 Aluminum Bars for Electrical Purposes (Bus Bars), Specifications for (ASTM B236-55T) .....	.30	C8.18-1948 †Weather-Resistant (Weatherproof) Wire and Cable (URC Type), Specifications for .....	.60
★C7.28-1959 Standard Weight Zinc-Coated (Galvanized) Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR), Specifications for (ASTM B245-58) .....	.30	C8.19-1939 R1953 †Weather-Resistant Saturants and Finishes for Aerial Rubber Insulated Wire and Cable, Specifications for .....	.40
C7.29-1957 Determination of Cross-Sectional Area of Stranded Conductors, Method for (ASTM B263-56T) .....	.30	C8.22-1954 Rubber Insulated Wire and Cable, Methods of Testing (ASTM D470-52T) .....	.50
C7.30-1956 Zinc-Coated (Galvanized) High Tensile Steel Telephone and Telegraph Line Wire, Specifications for (ASTM A326-52) .....	.30	C8.23-1954 Performance Synthetic Rubber Compound for Insulated Wire and Cable, Specifications for (ASTM D755-52T) .....	.30
C7.31-1956 Zinc-Coated (Galvanized) "Iron" Telephone and Telegraph Line Wire, Specifications for (ASTM A111-52) (Revision of G8.3-1944) .....	.30	C8.24-1954 Heat-Resisting Synthetic Rubber Compound for Insulated Wire and Cable, Specifications for (ASTM D754-52T) .....	.30
C7.32-1956 Zinc-Coated Steel Wire Strand "Galvanized" and Class A ("Extra Galvanized") Specifications for (ASTM A122-54T) (Revision of G8.6-1943) .....	.30	C8.25-1954 Rubber Sheath Compound for Electrical Insulated Cords and Cables, Specifications for (ASTM D532-49) .....	.30
C7.33-1956 Zinc-Coated Steel Wire Strand (Class B and Class C Coatings) Specifications for (ASTM A218-54T) (Revision of G8.11-1944) .....	.30	C8.26-1954 Performance Rubber Compound for Insulated Wire and Cable, Specifications for (ASTM D353-52T) .....	.30
★C7.34-1959 Zinc-Coated (Galvanized) Steel Core Wire (With Coatings Heavier Than Standard Weight) for Aluminum Conductors, Steel Reinforced (ACSR), Specifications for ASTM B261-58) .....	.30	C8.27-1954 Heat-Resisting Rubber Compound for Insulated Wire and Cable, Specifications for (ASTM D469-52T) .....	.30
C7.35-1957 Three-Quarter Hard Aluminum Wire for Electrical Purposes, Specifications for (ASTM B262-56) .....	.30	C8.28-1954 GR-S Synthetic Rubber Sheath Compound for Electrical Insulated Cords and Cables, Specifications for (ASTM D866-46T) .....	.30
C7.36-1958 Standard Nominal Diameters and Cross-Sectional Areas of AWG Sizes of Solid Round Wires Used as Electrical Conductors, Specifications for (ASTM B258-57) .....	.30	C8.29-1954 Ozone-Resistant Type Insulation for Insulated Wire and Cable, Specifications for (ASTM D574-46T) .....	.30
C7.37-1957 Tinned Hard-Drawn and Medium-Hard-Drawn Copper Wire for Electrical Purposes, Specifications for (ASTM B246-56T) .....	.30	C8.30-1954 Insulated Wire and Cable: Polyvinyl Insulating Compound, Specifications for (ASTM D734-50T) .....	.30
C7.38-1957 Silver-Coated Soft or Annealed Copper Wire, Specifications for (ASTM B298-56T) .....	.30	C8.31-1954 Sheath Compound for Electrical Insulated Cords and Cables Where Extreme Abrasion Resistance Is Not Required, Specifications for (ASTM D753-49) .....	.30
C7.39-1958 Soft or Annealed Coated Copper Conductors for Use in Hookup Wire for Electronic Equipment, Specifications for (ASTM B286-57T) .....	.30	C8.32-1954 GR-M Polychloroprene Sheath Compound for Electrical Insulated Cords and Cables, Specifications for (ASTM D752-49T) .....	.30
C7.40-1958 Aluminum Wire for Communication Cable, Specifications for (ASTM B314-57T) .....	.30	C8.33-1954 Thermoplastic Vinyl Polymer Sheath Compound for Electrical Insulated Cords and Cables, Specifications for (ASTM D1047-49T) .....	.30
● C8 — Insulated Wire:		C8.34-1954 †Weather-Resistant Wire and Cable, Neoprene Type, Specifications for .....	.50
C8.1-1944 Definitions and General Standards for R1953 Wire and Cables (AIEE 30-1944) .....	.60	C8.35-1957 †Weather-Resistant Wire and Cable, Polyethylene Type, Specifications for .....	.75
C8.9-1942 †Slow-Burning Wire and Cable, Specifications for R1953 .....	.35	C8.36-1955 Asbestos, Asbestos-Varnished Cloth and Asbestos-Thermoplastic Insulated Wires and Cables Requirements for (NEMA WCI 1955; IPCEA S-28-357) ... <i>Out of print</i>	
C8.12-1956 †Cotton Braid for Insulated Wire and Cable for General Purposes, Specifications for .....	.75	● C9 — Magnet Wire:	
C9.1-1953 Enamel-Coated Round Copper Magnet Wire (NEMA MW1-1953) .....	.50		

★. approved since last price list; ★, not yet available; †, quantity prices apply; R, reaffirmed

	Price		Price
● C9 — Magnet Wire (Continued)		● C16 — Radio (Continued)	
C9.3-1953 †Cotton-Covered Round Copper Magnet Wire (NEMA MW11-1953) .....	.35	C16.25a-1957 †Conducted Interference Output of Broadcast and Television Receivers in the Range of 300 kc to 25 mc, Methods of Measurement of the (Supplement to C16-25-1955) (56 IRE 27.SI) .....	.50
C9.3-1953 †Silk-Covered Round Copper Magnet Wire (NEMA MW21-1953) .....	.35	★C16.25b-1959 †Supplement to C16.25-1955 .....	.50
C9.4-1953 †Nylon-Fibre-Covered Round Copper Magnet Wire (NEMA MW22-1953) .....	.35	C16.26-1955 †Terms on Radio Aids to Navigation, Definitions of (54 IRE 12.SI)	1.00
C9.5-1955 †Single and Heavy Vinyl Acetal-Coated Round Copper Magnet Wire (NEMA MW15-1955) .....	.75	C16.28-1956 †Pulse Quantities, Methods of Measurement of (55 IRE 15. SI) .....	.60
C9.6-1955 †Heavy Vinyl Acetal-Coated Rectangular and Square Copper Magnet Wire (NEMA MW18-1955) .....	.50	C16.29-1957 †Gain, Amplification, Loss, Attenuation, and Amplitude-Frequency-Response, Methods of Measurement of (56 IRE 3.SI) .....	.80
C9.7-1955 †Double-Paper Single Cotton-Covered Rectangular and Square Copper Magnet Wire (NEMA MW32-1955) .....	.50	C16.30-1957 †Definitions of Terms on Facsimile (56 IRE 9.SI) .....	.60
C9.8-1958 †Single and Heavy Nylon-Coated Round Copper Magnet Wire (NEMA MW 6-1957) .....	.80	★C16.31-1959 †Television Luminance Signal Levels, Method of Measurement of (58 IRE 23.SI) ..	.60
C9.9-1958 †Single-Paper-Covered Round Copper Magnet Wire (NEMA MW 31-1956) .....	.50	●	
C9.10-1958 †Paper-Covered Rectangular and Square Copper Magnet Wire (One Paper $\frac{3}{4}$ Lap or Four Intercalated Papers) NEMA MW 33-1957) .....	.50	● C18.1-1959 Dry Cells and Batteries, Specifications for (NBS Handbook 71) .....	.25
C9.11-1958 †Glass-Fiber-Covered Rectangular and Square Copper Magnet Wire (NEMA MW 42-1957) .....	.80	★C19.1-1959 Industrial Control Apparatus (AIEE 15) ..	2.20
● C12-1941 R1957 Electricity Meters, Code for, including Supplement C12a-1947	2.00	C29.1-1944 †Insulator Tests (AIEE 41-1944) ... <i>Out of print</i>	
(C12a-1947 sold separately .. .25¢)		C29.2-1955 †Wet-Process Porcelain Insulators (Suspension Type) (EEI TDJ-52, NEMA 140-1952)	1.00
● C16 — Radio:		C29.3-1955 †Wet-Process Porcelain Insulators (Spool Type) (EEI TDJ-53; NEMA 141-1952) ..	.50
C16.5-1954 †Volume Measurements of Electrical Speech and Program Waves .....	.50	C29.4-1955 †Wet-Process Porcelain Insulators (Strain Type) (EEI TDJ-54, NEMA 142-1952) ..	.50
C16.11-1949 †Antennas, Methods of Testing (48 IRE 2.SI) .....	.75	C29.5-1955 †Wet-Process Porcelain Insulators (Low- and Medium-Voltage Pin Type) (EEI TDJ-55, NEMA 143-1952) .....	.50
C16.12-1949 †Frequency-Modulation Broadcast Receivers, Methods of Testing (47 IRE 17.SI), with Supplement, C16.12a-1951, Effects of Mistuning and Downward Modulation, Methods of Testing for (49 IRE 17.SI) ..	1.50	C29.6-1955 †Wet-Process Porcelain Insulators (High-Voltage Pin Type) (EEI TDJ-56, NEMA 144-1952) .....	.50
C16.13-1949 †Television Receivers (Monochrome Service, 6-Megacycle Channel), Methods of Testing (48 IRE 22.SI)	1.00	C29.7-1955 †Wet-Process Porcelain Insulators (High-Voltage Line-Post Type) (EEI TDJ-57, NEMA 145-1952) .....	.50
C16.16-1949 (Revised and redesignated as C83.20-1958)		C29.8-1957 †Wet-Process Porcelain Insulators (Apparatus-Cap and Pin Type) (EEI TDJ-58; NEMA 146-1956) .....	.50
C16.18-1951 †Vehicular Communications Receivers, Methods of Testing (49 IRE 16.SI) .....	.50	Out of print	
C16.19-1951 †Amplitude-Modulation Broadcast Receivers, Methods of Testing (48 IRE 17.SI) (Embody IEC 69)	1.00	C29.9-1957 †Wet-Process Porcelain Insulators (Apparatus-Post Type) (EEI TDJ-59; NEMA 147-1956) .....	.50
Out of print		Out of print	
C16.20-1951 †Television Signal Levels, Resolution, and Timing of Video Switching Systems, Methods of Measurement of (50 IRE 23.SI) .....	.75	C33.1-1957 Flexible Cord and Fixture Wire, Safety Standard for (UL 62) .....	.75
C16.21-1954 †Definitions of Terms on Antennas and Wave Guides (54 IRE 2.SI) .....	.75	C33.2-1956 Transformer-Type Arc-Welding Machines, Safety Standard for (UL 551) .....	.75
C16.23-1954 †Measurement of Aspect Ratio and Geometric Distortion of Television Cameras and Picture Monitors, Methods of (54 IRE 23.SI) .....	.60	C33.3-1957 Cord Sets and Power-Supply Cords, Safety Standard for (UL 817) .....	.50
C16.25-1955 †Interference Output of Television Receivers in the Range of 300 to 10,000 kc, Methods of Measurement (54 IRE 17.SI) with supplements: C16.25a-1957 (56 IRE 27.SI) and C16.25b-1959 (58 IRE 27.SI) ..	1.60	C33.4-1958 Specialty Transformers, Safety Standard for (UL 506)75

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	Price		Price
C35.1-1957	Rotating Electrical Machinery Forming a Part of the Power Equipment on Electrically Propelled Railway Cars, Railway Locomotives, and Coaches (Trolley and Prime Mover) (AIEE 11-1957)80	
● C37 — Power Switchgear:			
	<i>(20% discount will be allowed on the purchase of complete C37 series.)</i>		
C37.1-1950	†Relays Associated with Electric Power Apparatus . . . . .	.60	
C37.2-1956	†Automatic Station Control, Supervisory, and Associated Telemetering Equipment	1.30	
C37.4-1953	†Alternating-Current Power Circuit Breakers. Including Supplement C37.4a-1958	1.00	
C37.4a-1958	†Power Circuit Breaker Bushings and Dimensions of Power Circuit Breaker Bushings, Their Mountings and Bushing Current Transformers, Electrical Characteristics of (Supplement to C37.4-1953) . . . . .	.40	
C37.5-1953	†Rms Value of a Sinusoidal Current Wave and a Normal-Frequency Recovery Voltage and for Simplified Calculation of Fault Currents Methods for Determining the . . . . .	.80	
★C37.6-1959	†Preferred Ratings for Power Circuit Breakers, Schedules of . . . . .	.50	
C37.7-1952	†Interrupting Rating Factors for Reclosing Service Power Circuit Breakers . . . . .	.40	
C37.8-1952	†Rated Control Voltages and Their Ranges, for Power Circuit Breakers . . . . .	.40	
C37.9-1953	†Test Code for Power Circuit Breakers . . . . .	.60	
C37.11-1957	†Power Circuit Breaker Control, Requirements for . . . . .	.80	
C37.12-1952	†Guide Specifications for Alternating-Current Power Circuit Breakers . . . . .	.60	
C37.13-1954	†Low Voltage Air Circuit Breakers (Including Application Guide) . . . . .	.80	
C37.14-1954	†Low Voltage Air Circuit Breakers, Test Code for . . . . .	.50	
C37.15-1954	†Rated Control Voltages and Their Ranges for Low Voltage Air Circuit Breakers . . . . .	.40	
C37.16-1958	†Schedule of Preferred Ratings for Alternating and Direct Current Low Voltage Air Circuit Breakers . . . . .	.40	
C37.17-1956	†Preferred Pick-Up Calibrations and Trip Delay Settings for Alternating Current Low Voltage Air Circuit Breakers . . . . .	.40	
C37.20-1955	Switchgear Assemblies and Metal-Enclosed Bus (AIEE 27) . . . . .	.60	
C37.22-1959	†Automatic Circuit Reclosers and Automatic Line Sectionalizers for Alternating-Current Systems, Requirements for	1.40	
● C39 — Electrical Measuring Instruments:			
★C39.1-1959	†Electrical Indicating Instruments, (Panel, Switchboard, and Portable Instruments) Requirements for (NEMA EI 1-1959)	2.50	
C39.2-1953	†Direct-Acting Electrical Recording Instruments (Switchboard and Portable Types) . . . . .	.75	
C39.3-1948 R1955	†Shock-Testing Mechanism for Electrical Indicating Instruments, Specifications for . . . . .	.50	
● C39 — Electrical Measuring Instruments (Continued)			
C39.4-1956	†Automatic Null-Balancing Electrical Measuring Instruments, Specifications for	1.25	
C40-1928	Storage Batteries (AIEE 36-1928)	<i>Out of print</i>	
● C42 — Definitions of Electrical Terms:			
C42.10-1957	Rotating Machinery (Group 10)	2.00	
C42.15-1958	Transformers, Regulators, Reactors, and Rectifiers (Group 15)	2.00	
C42.20-1956	Switchgear (Group 20)	2.20	
C42.25-1956	Control Equipment (Group 25)	1.40	
C42.30-1957	Instruments, Meters and Meter Testing (Group 30)	2.20	
C42.35-1957	Transmission and Distribution (Group 35)	2.20	
C42.40-1956	Transportation (Group 40)	2.40	
C42.41-1956	Transportation—Air (Group 41)	2.40	
C42.42-1956	Transportation—Land (Group 42)	2.40	
C42.43-1956	Transportation—Marine (Group 43)	2.40	
★C42.45-1959	Electromechanical Devices (Group 45)	1.00	
C42.50-1958	Electric Welding and Cutting (Group 50) . . . . .	.80	
C42.55-1956	Illuminating Engineering (Group 55)	1.00	
C42.60-1956	Electrochemistry and Electrometallurgy (Group 60)	1.80	
C42.65-1957	Communications (Group 65)	6.00	
C42.70-1956	Electron Devices (Group 70)	1.80	
C42.80-1957	Electrobiology and including Electrotherapeutics (Group 80)	1.00	
C42.85-1956	Mining (Group 85) . . . . .	.80	
C42.95-1957	Miscellaneous (Group 95)	1.20	
C48.1-1955	Electric Control Apparatus for Land Transportation Vehicles (AIEE 16) . . . . .	.80	
● C50 — Rotating Electrical Machinery:			
	<i>(20% discount will be allowed on the purchase of complete C50 series) (Special Binder \$3.50)</i>		
C50.1-1955	†Synchronous Generators, Synchronous Motors, and Synchronous Machines in General	1.80	
C50.2-1955	†Alternating-Current Induction Motors, Induction Machines in General, and Universal Motors	1.50	
C50.4-1955	†Direct-Current Generators, Direct-Current Motors, and Direct-Current Commutating Machines in General	1.50	
C50.5-1955	†Rotating Exciters for Synchronous Machines . . . . .	.80	
C50.6-1955	†Motor-Generator Sets . . . . .	.50	
C50.8-1955	†Dimensions for Motors and Generators	1.00	
C50.20-1954	†Polyphase Induction Motors and Generators, Test Code for . . . . .	.80	
C52.3-1945	†Straight and Offset Resistance-Welding Electrodes and Electrode Holders (American War Standard)	<i>Out of print</i>	
C52.4-1945	†Controls for Resistance-Welding Machines (American War Standard)	<i>Out of print</i>	
C52.5-1945	†Specifications for Resistance-Welding Machines (American War Standard)	<i>Out of print</i>	
C55.1-1951	Capacitors, Standards for (AIEE 18-1951) . . . . .	.60	

★, approved since last price list; ★, not yet available; †, quantity prices apply; R, reaffirmed

	Price		Price
●C57 — Transformers, Regulators, and Reactors: <i>(20% discount will be allowed on the purchase of complete C57 series) (Special Binder \$3.50)</i>		●C57 — Transformers, Regulators, and Reactors (Continued)	
C57.10-1953 †Transformers, Regulators, and Reactors, Terminology for <i>Out of print</i>		*C57.33 †Loading and Operation of Instrument Transformers, Guide for <i>Out of print</i>	
C57.11-1953 †Transformers, Regulators, and Reactors, General Requirements for <i>Out of print</i>		*C57.34 †Loading Pole-Type Constant-Current Transformers, Guide for <i>Out of print</i>	
Requirements, Terminology, and Test Code for Distribution, Power, and Regulating Transformers and Reactors Other Than Current-Limiting Reactors:		*C57.36 †Loading Current-Limiting Reactors, Guide for <i>Out of print</i>	
C57.12.00-1958 †General (Section 00) 2.00		C57.92 (1959 ed) <i>Guide for Loading Oil-Immersed Distribution and Power Transformers (Not an American Standard) Appendix to C57.12 standards</i> 2.00	
C57.12.10-1958 †Transformers, 67,000 Volts and Below, 501 Through 10,000 kva, 3 Phase; 501 Through 5,000 kva 1 Ph. se (Section 10). 1.50		C57.93 <i>Guide for the Installation and Maintenance of Oil-Immersed Transformers (NEMA TR5-1956)</i> ..... .75	
★C57.12.20-1959 †Overhead-Type Distribution Transformers, 67,000 Volts and Below, 500 kva and Smaller (Section 20) 2.30		C57.94 <i>Guide for Operation and Maintenance of Dry-Type Transformers (AIEE 53)</i> 50	
C57.12.30-1958 †Three-Phase Load-Tap-Changing Transformers, 67,000 Volts and Below, 1,000 kva Through 10,000 kva (Section 30) 1.50		C57.95 <i>Guide for Loading Oil-Immersed Step-Voltage and Induction-Voltage Regulators (Not an American Standard) Appendix to C57.15-1949</i> 1.00	
C57.12.80-1958 †Terminology (Section 80) 1.00		★C57.96 <i>Guide for Loading Dry-Type Distribution and Power Transformers (Not an American Standard) Appendix to C57.12 standards</i> 1.40	
C57.12.90-1958 †Test Code (Section 90) 2.20			
(The above C57.12 standards constitute the revision of C57.12-1956, including supplements C57.12c-1957, C57.12d-1957 and C57.12 Section 30.)			
C57.12 (Section 40) Secondary Network Transformers, Subway and Vault Types (Liquid Immersed) (EEI 57-7; NEMA TR4-1957) (Proposed American Standard) ..... .80		●C59 — Electrical Insulation Materials:	
C57.13-1954 †Instrument Transformers, Requirements, Terminology, and Test Code for Revision of: C57.13-1948 Editorial Consolidation with C57.23-1948 and pertinent portions of C57.10-1953 C57.11-1953 2.50		C59.1-1955 Testing Molded Materials Used for Electrical Insulation, Methods of (ASTM D48-54T) ..... .30	
C57.14-1948 †Constant-Current Transformers of the Moving-Coil Type <i>Out of print</i>		★C59.2-1960 Testing Electrical Insulating Oils, Method of (ASTM D117-58) ..... .30	
C57.15-1949 †Step-Voltage and Induction-Voltage Regulators, Requirements, Terminology, and Test Code for Editorial Consolidation with C57.25-1949 and pertinent portions of C57.10-1953 C57.11-1953 2.00		★C59.3-1959 Electrical Resistance of Insulating Materials, Methods of Test for (ASTM D257-58T) ..... .50	
C57.16-1958 †Current-Limiting Reactors, Requirements, Terminology, and Test Code for 2.00		C59.4-1935 R1945 Rubber Matting for Use Around Electrical Apparatus (Voltage Rating of Matting, 3000 Volts), Specifications for (ASTM D178-24) ..... .30	
C57.18-1948 †Rectifier Transformer Equipment, <i>Out of print</i>		C59.6-1958 Rubber Insulating Tape, Specifications for (ASTM D119-57T) ..... .30	
C57.19 Distribution Transformers, Conventional Subway Type (EEI 51-3; NEMA 113-1951) (Proposed; distributed for trial and study) <i>Out of print</i>		C59.10-1941 R1954 Testing Molding Powders Used in Manufacturing Molded Electrical Insulators, Methods of (ASTM D392-38) ..... .30	
C57.20-1948 †Rectifier Transformer Equipment, Test Code for <i>Out of print</i>		C59.11-1955 Impact Resistance of Plastics and Electrical Insulating Materials, Methods of Test for (ASTM D256-56) ..... .30	
*C57.31 †Operation of Transformers, Regulators, and Reactors at Altitudes Greater than 3300 Feet (1000 Meters), Guide for <i>Out of print</i>		★C59.13-1960 Testing Sheet and Plate Materials Used in Electrical Insulation, Methods of (ASTM D229-58) ..... .30	

* Withdrawn; in accordance with ASA C57 Committee action, officially approved by ASA on August 20, 1953, the words "American Standard" were removed from the titles of the guides. They now have the status of an appendix to the C57 standards as a source of engineering information.

	Price		Price
● C59 — Electrical Insulation Materials (Continued)		● C60 — Electron Tubes:	
C59.17-1949 Fabricating Laminated Plastics, Practice for (NEMA 45-107)	25	C60.1-1956 †Electron Tube Bases, Caps, and Terminals (NEMA 500-D; RETMA ET-103-D)	1.10
C59.18-1954 Testing Shellac Used for Electrical Insulation, Methods of (ASTM D411-52)	30	C60.2-1956 †Dimensional Characteristics of Electron Tubes (NEMA 502-C; RETMA ET-105-C) .....	.50
C59.19-1952 Dielectric Strength of Insulating Oils of Petroleum Origin, Method of Test for (ASTM D877-49)	30	C60.4-1950 †Designation System for Metal Electron Tube Shells (RETMA ET-112; NEMA 508) .....	.35
C59.20-1952 Vulcanized Fiber (NEMA Vul-1952). <i>Out of print</i>		C60.5-1952 †Electron Tubes, Methods of Testing (50 IRE 7.52)	1.25
C59.21-1958 Sampling Electrical Insulating Oils, Method for (ASTM D923-56)	30	★C60.6-1959 †Direct Interelectrode Capacitance, Measurement of (EIA RS-191-A)	1.50
★C59.22-1960 Power Factor and Dielectric Constant of Electrical Insulating Oils of Petroleum Origin, Method of Test for (ASTM D924-58)	30	C60.7-1956 †Gages for Electron Tubes Bases (NEMA 503-C; RETMA ET-106-C) .....	.65
C59.23-1951 Gas Content of Insulating Oils, Methods of Test for (ASTM D831-48)	30	C60.8-1952 †Interelement Capacitances, Rating Values of (RETMA ET-114; NEMA 510) .....	.35
C59.24-1951 Inorganic Chlorides and Sulfates in Insulating Oils, Method of Test for (ASTM D878-49)	30	C60.11-1954 †Gas Filled Radiation Counter Tubes, Methods of Testing (52 IRE 7.52) .....	.75
C59.25-1951 Detection of Free Sulphur in Electrical Insulating Oils, Method of Test for (ASTM D989-51)	30	C60.13-1954 †Noise in Electron Devices, Methods of Measuring (53 IRE 7.51) .....	.75
C59.26-1958 Natural Block Mica and Mica Films Suitable for Use in Fixed Mica-Dielectric Capacitors, Specification for (ASTM D748-54T) (Partial basis for ISO R67)	30		●
C59.27-1957 Natural Muscovite Mica Based on Visual Quality, Specifications for (ASTM D351-57T) (Partial basis for ISO R67)	60	C62.1-1957 Lightning Arresters for Alternating-Current Power Circuits (AIEE 28). <i>Out of print</i>	
★C59.28-1960 Conditioning Plastics and Electrical Insulating Materials for Testing, Methods of (ASTM D618-58)	30	C63.1-1946 †Radio Interference of Electrical Components and Completed Assemblies of Electrical Equipment for the Armed Forces from 150 Kilocycles to 20 Megacycles, Method of Measuring (American War Standard) (JAN-I-225)	<i>Out of print</i>
C59.29-1956 Vulcanized Fiber Sheets, Rods, and Tubes Used for Electrical Insulation, Specifications for (ASTM D710-54T; NEMA Vul-1954)	30	C63.2 Radio Noise Meter, 0.015 to 25 Megacycles/Second, Specifications for (RETMA 32-A; NEMA 102-1950) (Proposed American Standard; published for trial and criticism)	<i>Out of print</i>
C59.30-1958 Testing Varnishes Used for Electrical Insulation, Methods of (ASTM D115-55)	30	C63.3 Radio Noise and Field Intensity Meters, 20 to 1000 Megacycles/Second, Specifications for (NEMA 131-1952; RETMA 41) (Proposed American Standard; published for trial and criticism)	<i>Out of print</i>
C59.31-1958 Testing Varnished Cotton Fabrics and Varnished Cotton Fabric Tapes Used for Electrical Insulation, Methods of (ASTM D295-58)	30	C64.1-1956 Brushes for Electrical Machines (Carbon, Carbon-Graphite, Electrographitic, Graphite, and Metal-Graphite Brushes), Requirements for (NEMA CB1-1956)	2.00
C59.32-1958 Test for Product Uniformity of Phenolic Laminated Sheets, Methods of (ASTM D634-44)	30	C67.1-1951 †Preferred Nominal Voltages, 100 Volts and Under .....	.35
C59.33-1958 Measuring Dimensions of Rigid Tubes Used for Electrical Insulation, Methods of (ASTM D668-52)	30	C68.1-1953 Measurement of Test Voltage in Dielectric Tests (AIEE 4-1953)	1.60
C59.34-1958 Measuring Dimensions of Rigid Rods Used in Electrical Insulation, Methods of (ASTM D741-52)	30	C70.1-1953 Household Automatic Electric Flatirons (NEMA DAI-1954)	1.00
C59.35-1958 Testing Varnished Glass Fabrics and Varnished Glass Fabric Tapes Used for Electrical Insulation, Methods of (ASTM D902-56)	30	C71.1-1950 Household Electric Ranges (NEMA ER-1950) .....	.90
C59.36-1958 Testing Silicone Insulating Varnishes, Methods of (ASTM D1346-57)	30	C72.1-1949 Household Automatic Electric Storage-Type Water Heaters (NEMA WH-1949) .....	.90
C59.37-1958 Ozone Resistant Rubber Insulating Tape, Specifications for (ASTM D1373-57T)	30	C73.1-1957 Outlet Receptacles, Attachment Plug Caps, with supplement C73.1a-1959 and Appliance Plugs (NEMA WD1-1956)	1.85
C59.38-1958 Silicone Varnished Glass Cloth and Tape for Electrical Insulation, Specifications for (ASTM D1459-57T)	30	★C73.1a-1959 Supplement to C73.1-1957. Sold Separately .....	.35
★C59.39-1959 Woven Cotton Tapes for Electrical Purposes, Specifications for (ASTM D335-51)	30	C76.1-1943 Apparatus Bushings and Test Code for Apparatus Bushings (AIEE 21-1942) and Supplement C76.1a-1958	1.10

★, approved since last price list; ★, not yet available; †, quantity prices apply; R, reaffirmed

	Price
C76.1a-1958 †Outdoor Apparatus Bushings (Used with Power Circuit Breakers and Outdoor Transformers) (Supplement to and Partial Revision of C76.1-1943) .....	.50
C77.1-1943 R1953 Wet Tests (AIEE 29-1941) .....	.60

● **C78 — Incandescent Lamps:**

(20% discount will be allowed on the purchase of complete series) (Binder \$2.00)

C78.100-1956 †General Service for 115-, 120-, and 125-Volt Circuits .....	.35
C78.101-1956 †General Service for 230- and 250-Volt Circuits .....	.35
C78.102-1949 †Train, Locomotive, and Country Home Service 30-34 and 60-64 Volts,.....	.35
C78.103-1949 †Street Railway Service .....	.35
C78.105-1957 †Spotlight and Floodlight Service 115, 120, and 125 Volts .....	.35
C78.106-1953 †Infrared Lamps for 115-125 Volt Service .....	.35
C78.107-1953 †Projector and Reflector Spotlight and Floodlight Lamps 115, 120, and 125 Volts .....	.35
C78.109-1949 †Street Series Service .....	.35
C78.200-1949 †S-6, Bulb, Candelabra Screw Base and C-7 Bulb, Candelabra Screw Base,.....	.35
C78.201-1949 †S-11 Bulb, Medium Screw Base.....	.35
C78.202-1949 †S-11 Bulb, Intermediate Screw Base.....	.35
C78.203-1949 †S-14 Bulb, Medium Screw Base.....	.35
C78.204-1949 †A-15 Bulb, Medium Screw Base.....	.35
C78.205-1949 †A-17 Bulb, Medium Screw Base.....	.35
C78.206-1949 †A-19 Bulb, Medium Screw Base (Over-all Length: Max 3 $\frac{1}{2}$ Inches, Min. 3 $\frac{1}{16}$ Inches) .....	.35
C78.207-1949 †T-6 $\frac{1}{2}$ Bulb, Intermediate Screw Base .....	.35
C78.208-1949 †-10 Bulb, Medium Screw Base .....	.35
C78.209-1949 †T-10 Reflector Bulb, Medium Screw Base ..	.35
C78.210-1949 †A-19 Bulb, Medium Screw Base (Over-all Length: Max 4 $\frac{1}{4}$ Inches, Min 3 $\frac{3}{4}$ Inches) .....	.35
C78.211-1949 †A-19 Bulb, Medium Screw Base (Over-all Length: Max 4 $\frac{7}{8}$ Inches, Min 4 $\frac{1}{8}$ Inches) .....	.35
C78.212-1949 †T-8 Bulb, Medium Screw Base .....	.35
C78.213-1949 †PS-25 Bulb, Three-Contact Medium Screw Base .....	.35
C78.214-1949 †PS-25 Bulb, Three-Contact Mogul Screw Base .....	.35
C78.215-1949 †A-21 Bulb, Medium Screw Base (Over-all Length: Max 4 $\frac{7}{16}$ Inches, Min 4 $\frac{1}{8}$ Inches) .....	.35
C78.216-1949 †A-21 Bulb, Medium Screw Base (Over-all Length: Max 5 $\frac{1}{16}$ Inches, Min 4 $\frac{1}{8}$ Inches) .....	.35

● **C78 — Incandescent Lamps (Continued)**

C78.217-1949 †A-21 Bulb, Medium Screw Base (Over-all Length: Max 4 $\frac{1}{2}$ Inches, Min 4 $\frac{1}{16}$ Inches) .....	.35
C78.218-1949 †A-23 Bulb, Medium Screw Base .....	.35
C78.219-1949 †G-30 Bulb, Three-Contact Mogul Screw Base .....	.35
C78.220-1949 †PS-25 Bulb, Medium Screw Base .....	.35
C78.221-1949 †PS-30 Bulb, Medium Screw Base .....	.35
C78.223-1949 †PS-35 Bulb, Mogul Screw Base .....	.35
C78.224-1949 †PS-40 Bulb, Mogul Screw Base .....	.35
C78.225-1949 †PS-52 Bulb, Mogul Screw Base .....	.35
C78.226-1949 †P-25 Bulb, Medium Screw Base .....	.35
C78.233-1949 †G-30 Bulb, Medium Screw Base .....	.35
C78.234-1949 †G-40 Bulb, Mogul Screw Base (Over-all Length: Max 7 $\frac{1}{8}$ Inches, Min 6 $\frac{1}{2}$ Inches) .....	.35
C78.235-1949 †G-40 Bulb, Mogul Screw Base (Over-all Length: Max 8 Inches, Min 7 $\frac{1}{8}$ Inches) .....	.35
C78.236-1949 †R-40 Bulb, Medium Skirted Screw Base .....	.35
C78.237-1949 †R-40 Bulb, Medium Screw Base .....	.35
C78.238-1949 †PAR-38 Bulb, Medium Skirted Screw Base .....	.35
C78.245-1949 †PS-25 Bulb, Mogul Screw Base .....	.35
C78.248-1949 †T-64 Bulb, Mogul Bipost Base .....	.35
C78.251-1953 †R-30 Bulb, Medium Screw Base .....	.35
C78.252-1956 †A-25 Bulb, Medium Screw Base Incandescent Lamps .....	.35
C78.253-1956 †A-23 Bulb, Medium Screw Base Incandescent Lamps (Over-All Length—Maximum 6 $\frac{1}{8}$ Inches, Minimum 5 $\frac{1}{8}$ Inches) .....	.35
C78.370-1956 †Code for the Designation of Photo Lamps .....	.50
★ C78.376 †Chromaticity of Fluorescent Lamps, Specifications for the (Proposed American Standard) .....	.60
C78.390-1958 †Designation of Miniature Lamps, Method for the .....	.35

● **C78 — Electric Discharge Lamps (Fluorescent), Dimensional and Electrical Characteristics of:**

(20% discount will be allowed on the purchase of complete series) (Binder \$2.00)

C78.375-1955 Guide for Electrical Measurements of Fluorescent Lamps .....	.15
C78.380-1957 †Designation of Mercury Lamps, Method for the .....	.35
★ C78.400-1959 †4-Watt T-5 Pre-heat Start .....	.35
C78.401-1951 †6-Watt T-5 Pre-heat Start35
C78.402-1951 †8-Watt T-5 Pre-heat Start35

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●C78 — Electric Discharge Lamps (Continued)

	Price
C78.403-1958 †14-Watt T-12 Pre-heat Start35
C78.404-1958 †15-Watt T-8 Pre-heat Start .....	.35
C78.405-1958 †15-Watt T-12 Preheat-Start Fluorescent Lamp .....	.35
C78.406-1958 †20-Watt T-12 Pre-heat Start Fluorescent Lamp .....	.35
C78.407-1951 R1959 †30-Watt T-8 Pre-heat Start .....	.35
C78.408-1956 †40-Watt T-12 Pre-heat Start .....	.35
C78.411-1956 †90-Watt T-17 Pre-heat Start .....	.35
C78.413-1958 †32-Watt T-10 12-Inch Circular Pre-heat Start .....	.35
C78.415-1958 †40-Watt T-10 16-Inch Circular Rapid-Start Fluorescent Lamp .....	.35
C78.416-1958 †22-Watt T-9 8-Inch Circular Pre-heat Start Fluorescent Lamp .....	.35
C78.600-1955 †40-Watt T-12 Instant-Start .....	.35
C78.601-1951 R1955 †40-Watt T-17 Instant-Start .....	.35
C78.700-1958 †40-Watt T-12 Rapid-Start Fluorescent Lamp .....	.35
★C78.701-1959 †72-Inch (800 and 1,000 Milliampere) T-12 Rapid-Start (Consolidation and Revision of C78.701-1956 and C78.703-1958 (2nd Ed.) .....	.35
★C78.702-1959 †96-Inch (800-Milliampere) T-12 Rapid-Start Fluorescent Lamp .....	.35
C78.703-1958 †72-Inch T-12 Rapid-Start (Recessed Double Contact) Fluorescent Lamp (Revised and Consolidated with C78.701-1959) .....	.35
★C78.707-1959 †96-Inch (1.5 Ampere) T-12 and PG-17 Rapid Start .....	.35
C78.801-1951 R1959 †42-Inch T-6 Instant-Start Single-Pin Hot-Cathode .....	.35
C78.803-1951 R1959 †64-Inch T-6 Instant-Start Single-Pin Hot-Cathode .....	.35
C78.805-1957 †72-Inch T-8 Instant-Start Single-Pin Hot-Cathode .....	.35
C78.807-1957 †96-Inch T-8 Instant-Start Single-Pin Hot-Cathode .....	.35
C78.808-1955 †48-Inch T-12 Instant-Start Single-Pin Hot-Cathode .....	.35
C78.809-1955 †72-Inch T-12 Instant-Start Single-Pin Hot-Cathode .....	.35
C78.810-1955 †96-Inch T-12 Instant-Start Single-Pin Hot-Cathode .....	.35
C78.1104-1957 †25-Millimeter 93-Inch Cold-Cathode .....	.35
C78.1106-1957 †25-Millimeter 69-Inch Cold-Cathode .....	.35
C78.1107-1957 †25-Millimeter 45-Inch Cold-Cathode .....	.35

●C78 — Bactericidal Lamps:

C78.1200-1951 R1959 †8-Watt T-5 .....	.35
C78.1201-1951 R1959 †15-Watt T-8 .....	.35
C78.1202-1951 R1959 †30-Watt T-8 .....	.35

★, approved since last price list; ★, not yet available; †, quantity prices apply; R, reaffirmed

Price

●C78 — Electric Discharge Lamps (Mercury), Physical and Electrical Characteristics of:	
★C78.1304-1959 †400-Watt (H1) BT-37 .....	.35
★C78.1305-1959 †400-Watt (H1) BT-37 Fluorescent .....	.35
★C78.1309 †1000 Watt (H15) BT-56 (Proposed American Standard) .....	.35
★C78.1310 †1000 Watt (H12) BT-56 (Proposed American Standard) .....	.35
★C78.1312 †1000 Watt (H15) BT-56 Fluorescent (Proposed American Standard) .....	.35
★C78.1318 †1000 Watt (H12) BT-56 Fluorescent (Proposed American Standard) .....	.35

●C78 — Fluorescent Lamp Auxiliaries (see also Fluorescent Lamp Ballasts, C82):

C78.180-1956 †Fluorescent Lamp Starters, Specifications for .....	.50
C78.181-1956 †Fluorescent Lamp Starters, Method of Testing .....	.50

C79.1-1958 R1958 †Glass Bulbs Intended for Use with Electron Tubes and Electric Lamps, Nomenclature for .....	.80
C79.2-1954 R1958 †Molded Glass Flares Intended for Use with Electron Tubes and Electric Lamps, Nomenclature for .....	.35

●C80 — Conduit:

★C80.1-1959 †Rigid Steel Conduit, Zinc Coated, Specification for .....	.80
★C80.2-1959 †Rigid Steel Conduit, Enamelled, Specification for .....	.80
★C80.3-1959 †Electrical Metallic Tubing, Zinc Coated, Specification for .....	.80
C80.4-1958 †Fittings for Rigid Steel Conduit and Electrical Metallic Tubing, Specification for .....	.80

C81.1-1951 †Rolled Threads for Screw Shells of Electric Lamp Holders and for Screw Shells of Unassembled Lamp Bases, Dimensions for35
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★C81.51 †Screw Base Seating Gages for Bases (Not on Lamps), Dimensions for (Proposed American Standard)35
★C81.52 †Base Strength Gage for Metal Bases (Not on Lamps), Requirements for and Method of Operation of a (Proposed American Standard) .....	.35
★C81.76 †Effective Over-All Shell Height Base Gages for Type FA Bases (Not on Fluorescent Lamps), Dimensions for (Proposed American Standard) .....	.35

★C81.101 †Metal Medium Screw Base (No. 102), Dimensional and Mechanical Characteristics of (Proposed American Standard) .....	.35
★C81.102 †Metal Skirted Medium Screw-Slotted Base (No. 108D), Dimensional and Mechanical Characteristics of (Proposed American Standard) .....	.35

	Price		Price
★C81.103	†Metal Medium Screw-Double Contact Base (No. 122), Dimensional and Mechanical Characteristics of (Proposed American Standard) 35		
★C81.104	†Metal Medium Screw-Skirted Base (No. 125), Dimensional and Mechanical Characteristics of (Proposed American Standard) 35		
★C81.105	†Metal Mogul Screw Base (No. 401), Dimensional and Mechanical Characteristics of (Proposed American Standard) 35		
★C81.106	†Metal Mogul Screw-Double Contact Base (No. 409), Dimensional and Mechanical Characteristics of (Proposed American Standard) 35		
★C81.107	†Metal Candelabra Screw Base (No. 501), Dimensional and Mechanical Characteristics of (Proposed American Standard) 35		
★C81.108	†Metal Miniature Screw Base (No. 601), Dimensional and Mechanical Characteristics of (Proposed American Standard) 35		
★C81.109	†Metal Intermediate Screw Base-Round Dome (No. 1301), Dimensional and Mechanical Characteristics of (Proposed American Standard) 35		
★C81.110	†Metal Intermediate Screw Base-Flat Dome (No. 1302), Dimensional and Mechanical Characteristics of (Proposed American Standard) 35		
★C81.111	†Metal Midget Screw Base (No. 1813), Dimensional and Mechanical Characteristics of (Proposed American Standard) 35		
★C81.112	†Metal Export Mogul Base (No. 1823), Dimensional and Mechanical Characteristics of (Proposed American Standard) 35		
★C81.113	†Metal Export Medium Base (No. 1844), Dimensional and Mechanical Characteristics of (Proposed American Standard) 35		
★C81.331	†Recessed Double Contact Base F12BX (Metal), FA26 (Plastic), Dimensions for (Proposed American Standard) 35		
● C82 — Fluorescent Lamp Ballasts:			
C82.1-1958 (2nd ed)	†Fluorescent Lamp Ballasts, Specifications for 80		
C82.2-1958	†Fluorescent Lamp Ballasts, Methods of Measurement of 1.00		
C82.3-1957	†Fluorescent Lamp Reference Ballasts, Specification for 35		
● C83 — Components for Electronic Equipment			
C83.1-1956	†Numerical Values of Components for Electronic Equipment, Color Coding for (RETMA GEN-101-A) 50		
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D11.1-1958	Pre-Timed, Fixed Cycle, Traffic Signal Controllers (ITE Technical Report 2-1958)50	G26.1-1942	Cast-Iron Culvert Pipe, Specifications for (ASTM A142-38)50
D12.1-1953	Street and Highway Lighting50	G27.1-1956	Lightweight and Thin-Sectioned Gray Iron Castings, Specifications for (ASTM A190-47)50
D13.1-1958	Traffic-Actuated, Traffic Signal Controllers and Detectors, Specifications for (ITE Technical Report 3-1958)50	G28.1-1956	Boiler River Steel and Rivets, Specifications for (ASTM A31-55; ASME SA-31)50
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D14.4-1955	Sampling and Preparing Aqueous Solutions of Engine Antifreeze for Testing Purposes, Method for (ASTM D1176-54)50	G34.1-1958	Molybdenum-Steel Plates for Boilers and Other Pressure Vessels, Specification for (ASTM A204-57; ASME SA-204)50
D14.5-1955	Freezing Point of Aqueous Engine Antifreeze Solution (ASTM D1177-54)50	G35.1-1958	High Tensile Strength Carbon-Silicon Steel Plates for Boilers and Other Pressure Vessels, Specifications for (ASTM A212-57T; ASME SA-212)50
G — Ferrous Materials and Metallurgy					
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★G8.2-1959	Zinc-Coated (Galvanized) Iron or Steel Sheets, Coils, and Cut Lengths, Specifications for (ASTM A93-58T)50	★G38.1-1959	Carbon and Alloy Steel Nuts for Bolts for High-Pressure and High-Temperature Service, Specifications for (ASTM A194-58T; ASME SA-194)50
G8.4-1935 R1956	Zinc-Coated (Galvanized) Iron or Steel Tie Wires, Specifications for (ASTM A112-33)50	★G39.1-1959	Structural Steel for Locomotives and Cars, Specification for (ASTM A113-58; ASME SA-113)50
G8.8-1937	Zinc-Coated (Galvanized) Wrought Iron Sheets, Specifications for (ASTM A163-36)50	G41.1-1956	Structural Silicon Steel, Specification for (ASTM A94-54)50
G8.9-1958	Zinc-Coated (Galvanized) Iron or Steel Farm-Field and Railroad Right-of-Way Wire Fencing (ASTM A116-57)50	G42.1-1956	High-Strength Structural Rivet Steel, Specification for (ASTM A195-52T)50
G8.10-1958	Zinc-Coated (Galvanized) Steel Barbed Wire, Specifications for (ASTM A121-57)50	G43.1-1958	(Included with A50.2)	
G8.12-1956	Test for Weight of Coating on Zinc-Coated (Galvanized) Iron or Steel Articles, Methods of (ASTM A90-53)50	G44.1-1942	Fabricated Steel Bar or Rod Mats for Concrete Reinforcement, Specifications for (ASTM A184-37)50
G8.13-1956	Safeguarding Against Embrittlement of Hot Galvanized Structural Steel Products and Procedure for Detecting Embrittlement, Recommended Practice for (ASTM A143-46)50	★G45.1-1959	Welded Steel Wire Fabric for Concrete Reinforcement, Specifications for (ASTM A185-58T)50
G8.14-1956	Zinc Coating (Hot-Dip) on Iron and Steel Hardware, Specifications for (ASTM A153-53)50	★G46.1-1959	Forged or Rolled Steel Pipe Flanges, Forged Fittings, and Valves and Parts for General Service, Specifications for (ASTM A181-58T; ASME SA-181)50
★G17.3-1959	Forged or Rolled Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High-Temperature Service, Specifications for (ASTM A105-58T; ASME SA-105)50	G48.1-1953	Malleable Iron Castings, Specifications for (ASTM A47-52; AASHO M106)50
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G23-1939	Uncoated Wrought Iron Sheets, Specifications for (ASTM A162-39)50	★G50.1-1959	Mild- to Medium-Strength Carbon-Steel Castings for General Application, Specifications for (ASTM A27-58; AASHO M103)50
★G24.1-1959	Steel for Bridges and Buildings, Specifications for (ASTM A7-58T; ASME SA-7)50	★G52.1-1959	High-Strength Steel Castings for Structural Purposes, Specifications for (ASTM A-148-58)50
			G53.1-1956	Electrodeposited Coatings of Zinc on Steel, Specifications for (ASTM A164-55)50

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★G53.3-1959	Electrodeposited Coatings of Nickel and Chromium on Steel, Specifications for (ASTM A166-58T)30	H30.1-1954	Copper-Silicon Alloy Wire for General Purposes, Specifications for (ASTM B-99 54)50
★G53.4-1959	Electrodeposited Coatings of Nickel and Chromium on Copper and Copper-Base Alloys, Specifications for (ASTM B141-58)30	★H31.1-1959	Rolled Copper-Alloy Bearing and Expansion Plates and Sheets for Bridge and Other Structural Uses, Specification for (ASTM B100-58)30
★G53.5-1959	Electrodeposited Coatings of Nickel and Chromium on Zinc and Zinc-Base Alloys, Specifications for (ASTM B142-58)30	H32.1-1953	Brass Wire, Specifications for (ASTM B134-52)50
G53.6-1956	Chromium Plating on Steel for Engineering Use, Recommended Practice for (ASTM B177-55)30	★H33.1-1959	Leaded Red Brass (Hardware Bronze) Rod, Bar, and Shapes, Specifications for (ASTM B140-58)50
G53.7-1956	Preparation of Low-Carbon Steel for Electropolating, Recommended Practice for (ASTM B183-49)30	★H34.1-1959	Nickel Seamless Pipe and Tubing, Specifications for (ASTM B161-58T)30
G53.8-1956	Electrodeposited Coatings of Lead on Steel, Specifications for (ASTM B200-55T)30	★H34.2-1959	Nickel-Copper Alloy Seamless Pipe and Tubing, Specifications for (ASTM B165-58T)30
G53.9-1956	Chromate Finishes on Electrodeposited Zinc, Hot-Dipped Galvanized, and Zinc Die-Cast Surfaces, Specifications for (ASTM B201-55T)30	★H34.3-1959	Nickel-Chromium-Iron Alloy Seamless Pipe and Tubing, Specifications for (ASTM B167-58T)30
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G53.13-1956	Preparation of and Electropolating on Stainless Steel, Recommended Practice for (ASTM B254-53)30			
G53.14-1956	Preparation of Copper and Copper-Base Alloys for Electropolating, Recommended Practice for (ASTM B281-53T)30			
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★H8.1-1959	Free-Cutting Brass Rod, Bar, and Shapes for Use in Screw Machines, Specifications for (ASTM B16-58; SAE 72)50			
H17.1-1942	Lake Copper Wire Bars, Cakes, Slabs, Billets, Ingots, and Ingot Bars, Specifications for (ASTM B4-42)30			
H17.2-1943	Electrolytic Copper Wire Bars, Cakes, Slabs, Billets, Ingots, and Ingot Bars, Specifications for (ASTM B5-43; AASHO M110-45)30			
★H23.1-1959	Seamless Copper Water Tube, Specification for (ASTM B88-58)50			
★H24.1-1959	Slab Zinc (Spelter), Specifications for (ASTM B6-58; AASHO M120)30			
H25.1-1943	Rolled Zinc, Specifications for (ASTM B69-39; AASHO M113-39)30			
★H26.1-1959	Seamless Copper Pipe, Standard Sizes, Specification for (ASTM B42-58; ASME SB-42)50			
H27.1-1958	Seamless Red Brass Pipe, Standard Sizes, Specification for (ASTM B43-57) (ASME SB-43)50			
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J3.1-1942	Adhesion of Vulcanized Rubber (Friction Test), Methods of Test for (ASTM D413-39)30			
J4.1-1954	Accelerated Aging of Vulcanized Rubber by the Oxygen-Pressure Method, Method of Test for (ASTM D572-53)30			
J5.1-1954	Accelerated Aging of Vulcanized Rubber by the Oven Method, Method of Test for (ASTM D573-53)30			
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K18.1-1948	Laboratory Sampling and Analysis of Coal and Coke, Methods of (ASTM D271-48)50	K53-1941	Bleeding of Pigments, Methods of Test for (ASTM D279-31)30
K20.1-1936	Cubic Foot Weight of Crushed Bituminous Coal, Method of Test for (ASTM D291-29)30	K53-1941	Hydrosopic Moisture (and Other Matter Volatile Under the Test Conditions) in Pigments, Method of Test for (ASTM D280-53)30
K20.2-1936	Cubic Foot Weight of Coke, Method of Test for (ASTM D292-29)30	K54-1941	Oil Absorption of Pigments, Method of Test for (ASTM D281-31)30
K20.3-1951	Tumbler Test for Coke, Method of (ASTM D294-50)30	K55.1-1954	Acetone Extract in Black Pigments, Method of Test for (ASTM D305-51)30
K20.4-1948	Drop Shatter Test for Coke, Method of (ASTM D141-48)30	K56.1-1958	Tinting Strength of White Pigments, Method of Test for (ASTM D332-57T)30
K20.5-1936	Volume of Cell Space of Lump Coke, Method of Test for (ASTM D167-24)30	K57-1953	Mass Color and Tinting Strength of Color Pigments, Method of Test for (ASTM D387-52T)30
K21.1-1953	Toluene Insoluble Solid Matter in Rosin (Chiefly Sand, Chips, Dirt, and Bark), Method of Test for (ASTM D269-52)30	K58.1-1954	Chemical Analysis of Yellow, Orange, and Green Pigments Containing Lead Chromate, and Chromium Oxide Green, Methods for (ASTM D126-50T)30
K22.1-1944	Zinc Oxide, Specifications for (ASTM D79-44)30	K59.1-1958	Chemical Analysis of Dry Mercuric Oxide Pigment, Methods for (ASTM D284-57T)30
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K33-1937	Sampling and Testing Turpentine, Methods of (ASTM D233-36)30			
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K37.1-1946	Chrome Oxide Green, Specifications for (ASTM D263-46)30			
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K42.1-1945	Coarse Particles in Pigments, Pastes, and Paints, Methods of Test for (ASTM D185-45)30			
K44.1-1951	Yellow, Orange, Red, and Brown Pigments Containing Iron and Manganese, Methods of Chemical Analysis of (ASTM D50-50)30			
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★K60.21-1959 Sampling and Chemical Analysis of Alkaline Detergents, Methods of (ASTM D501-58)30	★K65.5-1959 Haze and Luminous Transmittance of Transparent Plastics, Method of Test for (ASTM D1003-52)30	
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K62.3-1957 †3-(3,4-dichlorophenyl)-1,1-dimethyl urea; diuron35	★K65.9-1959 Total Chlorine in Vinyl Chloride Polymers and Copolymers, Method of Test for (ASTM D1303-55)30	
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K62.15-1958 †2-chloro-2-diethylcarbamoyl-1-methylvinyl dimethyl phosphate; phosphamidon35			
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L14.11-1956 †Evaluation of Ordinary Wetting Agents (AATCC 17-52)60	L14.47-1949 Compatibility of Glass Yarn with Insulating Varnish, Method of Test for (ASTM D886-46T)30
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L14.16-1949 Testing and Tolerances for Woven Tapes, Methods of (ASTM D259-44)30	L14.51-1949 Air Permeability of Textile Fabrics, Methods of Test for (ASTM D737-46)30
L14.17-1949 Testing and Tolerances for Certain Light and Medium Weight Cotton Fabrics, Methods of (ASTM D274-36)30	★ L14.52-1959 Testing Felt, Methods of (ASTM D461-57)30
L14.18-1953 Asbestos Yarns, Specifications and Methods of Test for (ASTM D299-52T)30	L14.53-1951 †Colorfastness to Light (AATCC 16-45)	Out of print
L14.19-1949 Determining Relative Humidity, Method of (ASTM D337-34)30	L14.54-1951 †Colorfastness of Acetate Rayons to Atmospheric Fumes (AATCC 23-46)	Out of print
L14.20-1949 Holland Cloth, Methods of Test for (ASTM D376-35)30	L14.55-1951 †Resistance of Textiles to Mildew and Rot, and Evaluation of Textile Fungicides (AATCC 30-46)	Out of print
L14.25-1949 Testing Pile Floor Covering, Methods of (ASTM D418-42)30	L14.56-1956 †Colorfastness to Perspiration (AATCC 15-52)35
L14.26-1957 Fineness of Wool, Methods of Test for (ASTM D419-55T)30	L14.57-1956 †Colorfastness to Chlorine Bleaching (Cotton) (AATCC 3-52)	Out of print
L14.27-1949 Testing and Tolerances for Certain Carded Cotton Gray Goods, Methods of (ASTM D433-39)30	L14.58-1956 †Colorfastness to Peroxide Bleaching (Cotton) (AATCC 29-52)35
L14.28-1954 Testing and Tolerances for Certain Wool and Part Wool Fabrics, Methods for (ASTM D462-55)30	L14.59-1956 Resistance to Water Penetration (Hydrostatic Pressure Test) (Contained in ASTM D583-54; AATCC 18-52) (Including L14-60, L14.61, L14.74, L14.78 and L14.87)50
L14.29-1957 Fineness of Wool Tops, Specifications and Methods of Test for (ASTM D472-56)30	L14.60-1956 Resistance to Wetting (Spray Test) (Contained in ASTM D583-54; AATCC 22-52) Included with L14.59-195650
L14.32-1957 Fiber Length of Wool Tops, Method of Test for (ASTM D519-55T)30	L14.61-1956 Resistance to Wetting (Static Immersion Absorption Test) (Contained in ASTM D583-54; AATCC 21-52) Included with L14.59-195650
★ L14.33-1959 Man-Made Staple Fibers, Methods of Testing (ASTM D540-57T)30	L14.63-1956 †Colorfastness to Pleating (AATCC 31-52)35
L14.34-1953 Testing and Tolerances for Single Jute Yarn, Methods of (ASTM D541-52)30		
L14.35-1953 Testing Woven Asbestos Cloth, Methods of (ASTM D577-52)30		
L14.36-1951 2nd ed. Testing and Tolerances for Glass Yarn, Methods of (ASTM D578-50T)30		
L14.37-1951 Testing and Tolerances for Woven Glass Fabrics, Methods of (ASTM D579-49)30		
L14.38-1951 Testing and Tolerances for Woven Glass Tapes, Methods of (ASTM D580-49)30		
L14.39-1951 Testing and Tolerances for Woven Glass Tubular Sleeving and Braids, Methods of (ASTM D581-49)30		

★, approved since last price list; ★, not yet available; †, quantity prices apply; R, reaffirmed

	Price		Price
●L14 — Textile Test Methods (Continued)		●L14 — Textile Test Methods (Continued)	
L14.64-1951 †Resistance of Textile Fabrics and Yarns to Insect Pests (AATCC 24-49) <i>Out of print</i>		L14.91-1957 Length and Length Distribution of Cotton Fibers by the Array Method, Method of Test for (ASTM D1440-55) . . . . .	.30
L14.65-1951 †Evaluation of Insect Pest Deterrents on Textiles (AATCC 28-49) <i>Out of print</i>		L14.92-1957 Sampling Cotton Fibers for Testing, (ASTM D1441-54) . . . . .	.30
L14.66-1954 Textile Testing Machines, Specifications for (ASTM D76-53) . . . . .	.30	L14.93-1957 Fiber Weight per Unit Length and Maturity of Cotton Fibers (Array Method) Method of Test for (ASTM D1442-54) . . . . .	.30
L14.67-1951 Testing and Tolerances for Knit Goods, Methods of (ASTM D231-46) . . . . .	.30	L14.94-1957 Maturity of Cotton Fibers (Random Sample-Sodium Hydroxide Swelling Method) Method of Test for (ASTM D1443-56) . . . . .	.30
L14.68-1951 Testing Woven Textile Fabrics, General Methods of (ASTM D39-49) . . . . .	.30	L14.95-1957 Cross-Sectional Characteristics of Cotton Fibers, (ASTM D1444-56) . . . . .	.30
L14.69-1952 †Flammability of Clothing Textiles, Test Method for (AATCC 33-52; ASTM D1230-52T) . . . . .	.50	L14.96-1957 Strength of Cotton Fibers (Flat Bundle Method) (ASTM D1445-57) . . . . .	.30
L14.70-1956 †Colorfastness to Mill Washing (Silk) (AATCC 4-52) . . . . .	.35	L14.97-1957 Number of Neps in Cotton Fibers, (ASTM D1446-53T) . . . . .	.30
L14.71-1956 †Colorfastness to Dry and Wet Heat (AATCC 5-52) . . . . .	.35	L14.98-1957 Length of Cotton Fibers by Fibrograph (ASTM D1447-54T) . . . . .	.30
L14.72-1956 †Colorfastness to Rubbing (Crocking) (AATCC 8-52) . . . . .	.35	L14.99-1957 Fineness of Cotton Fibers by Micronaire (ASTM D1448-56) . . . . .	.30
L14.73-1956 †Detection of Phototropism (AATCC 32-52) . . . . .	.35	L14.100-1957 Determining the Specific Area and Immaturity Ratio of Cotton Fibers (Arealometer Method) (ASTM D1449-55T) . . . . .	.30
L14.74-1956 Resistance to Water Penetration (Rain Test) (Contained in ASTM D583-54; AATCC 35-52) Included with L14.59-1956		L14.101-1957 Maturity of Cotton Fibers (Polarized-Light Method) (ASTM D1450-57) . . . . .	.30
L14.75-1956 †Evaluation of Textiles for Wettability (AATCC 39-52) . . . . .	.35	L14.102-1957 Resistance to Yarn Slippage in Silk, Rayon, and Acetate Woven Fabrics, Method of Test for (ASTM D434-42) . . . . .	.30
L14.76-1956 †Dimensional Changes in Textile Fabrics (Other than Cotton and Linen) (AATCC 40-52) . . . . .	.35	L14.103-1957 Yarn Distortion in Woven Fabrics, Method of Test for (ASTM D1336-54T) . . . . .	.30
L14.77-1956 †Dimensional Changes in Textile Fabrics (Wool: Accelerated Test) (AATCC 41-52) . . . . .	.35		
L14.78-1956 Resistance to Water Penetration (Impact Penetration Test) (Contained in ASTM D583-54; AATCC 42-52) Included with L14.59-1956			
L14.79-1956 †Evaluation of Penetrants for Mercerization (AATCC 43-52) . . . . .	.35		
L14.80-1956 Colorfastness to Mercerizing (AATCC 51-52) <i>Out of print</i>			
L14.81-1956 †Accelerated Washfastness Tests No. 2A, 3A, and 4A (Cotton) (AATCC 61-54) . . . . .	.35		
L14.82-1956 †Evaluation of the Resistance of Wool Oils to Oxidation in Storage (AATCC 62-52) . . . . .	.35		
L14.83-1956 †Colorfastness to Water (AATCC 63-52) . . . . .	.35		
L14.84-1956 †Evaluation of Continuous Scouring of Raw Grease Wool (AATCC 64-52) . . . . .	.60		
L14.85-1956 Evaluation of the Snag Resistance of Hosiery (AATCC 65-54; ASTM D1115-54T) . . . . .	.30		
L14.86-1956 †Damage Caused by Retained Chlorine (AATCC 69-52) . . . . .	.35		
L14.87-1956 Resistance to Wetting (Dynamic Immersion Absorption Test) (Contained in ASTM D583-54; AATCC 70-52) Included with L14.59-1956			
L14.88-1956 †Wool Hose: Accelerated Shrinkage Test (AATCC 73-53) . . . . .	.35		
L14.89-1956 Relaxation and Felting Shrinkage in Laundering of Stabilized Knit Wool Fabrics, Methods of Test for (ASTM D1284-53T; AATCC 74-53) . . . . .	.30		
★L14.90-1959 Spun and Filament Yarns Made Wholly or in Part of Man-Made Organic Base Fibers, Methods of Testing (ASTM D1380-57T) . . . . .	.50		

Out of print

ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

	Price
● L18 — Specifications for Protective Clothing (Continued)	
L18.18-1945 †Leather One-Finger Mittens	
L18.19-1945 †Leather Mittens	
L18.20-1945 †Asbestos One-Finger Mittens	
L18.21-1945 †Flame-Resistant Fabric Aprons (Bib Type)	
L18.22-1945 †Flame-Resistant Fabric Leggings (Knee and Hip Length)	
L18.23-1945 †Flame-Resistant Fabric Coats	
L18.24-1945 †Flame-Resistant Fabric Pants	
L18.25-1945 †Flame-Resistant Fabric Coveralls	
L18.26-1945 †Flame-Resistant Fabric Spats	
L18.27-1945 †Leather Spats	
L18.28-1945 †Asbestos Spats	
L18.29-1945 †Chemical-Resistant Gloves	
Out of print	
● L22 — Rayon and Acetate Fabrics, Minimum Requirements:	
(Complete Set, Bound.....\$4.25)	
L22.1.1- through L22.1.24-1952	
†Part I, Women's and Girls' Rayon and Acetate Wearing-Apparel Fabrics	1.00
(Part I and Test Methods	\$3.00)
L22.2.1- through L22.2.16-1952	
†Part II, Men's and Boys' Rayon and Acetate Wearing-Apparel Fabrics .....	.80
(Part II and Test Methods	\$2.80)
L22.3.1- through L22.3.11-1952	
†Part III, Rayon and Acetate Home-Furnishings Fabrics .....	.65
(Part III and Test Methods	\$2.65)
†Part IV, Test Methods used in conjunction with L22 Standards	2.25
● L24 — Institutional Textiles, Minimum Performance Requirements for:	
(Complete Set, Bound.....\$6.25)	
L24.1.1- through L24.1.7-1955	
†Part I, Institutional Furnishings.....	.65
L24.2.1- through L24.2.11-1955	
†Part II, Utility Textiles.....	.90
(including L4.1-1948)	
L24.3.1- through L24.3.7-1955	
†Part III, Uniforms .....	.90
(including L22.1.4-, L22.1.6-, and L22.2.7-1952)	
L24.4.1- through L24.4.11-1955	
†Part IV, Work Clothes .....	.90
L24.5.1-1955 Permanent Labels, Detachable Tags and Certification of Fabrics or Products.....	.35
†Part V, Test Methods.....	2.75
M — Mining	
M2.1-1951 Installing and Using Electrical Equipment in Coal Mines, Safety Rules for (BMTMP 402)	25
M5-1952 Screen Testing of Ores (Hand Method), Methods for	25
M6.1-1955 Drainage of Coal Mines, Recommended Practice for, (Bureau of Mines Bulletin 570)	20
M7.3-1958 Rail Haulage Roads in Coal Mines, Construction and Maintenance of .....	.75
Price	
M11-1927 Wire Rope for Mines	Out of print
M12.1-1946 †Construction and Maintenance of Ladders and Stairs for Mines	50
R1958 R1942	
M13-1925 †Rock-Dusting Coal Mines to Prevent Coal Dust Explosions .....	.35
M20.1-1938 Classification of Coals by Rank, Specifications for (ASTM D388-38) .....	.30
M20.2-1937 Classification of Coals by Grade, Specifications for (ASTM D389-37) .....	.30
M20.3-1944 Designating the Size of Coal from Its Screen Analysis, Method for (ASTM D431-44) .....	.30
M20.4-1939 Commercial Varieties of Bituminous and Subbituminous Coals, Definitions for (ASTM D493-39) .....	.30
M24-1932 †Installing and Using Electrical Equipment in Metal Mines, Safety Rules for, Out of print	
M28.1-1955 †Safety Procedures for Quarries	1.50
M30.1-1957 Roof Bolting Materials in Coal Mines, Specifications for .....	.50
MH — Materials Handling	
● MH2 — Specifications for Metal Drums and Pails:	
★MH1.1-1959 Pallet Sizes	2.00
★MH2.1-1959 †55-Gallon Tight-Head Universal Drum (ICC-17E)	
★MH2.2-1959 †55-Gallon Full-Removable-Head Universal Drum (UFC and CFC—Rule 40, NMFC—Rule 5)	
★MH2.3-1959 †55-Gallon Tight-Head Universal Drum (ICC-5B)	
★MH2.4-1959 †55-Gallon Tight-Head Universal Drum (ICC-17C)	
★MH2.5-1959 †55-Gallon Full-Removable-Head Universal Drum (ICC-17H)	
★MH2.6-1959 †30-Gallon Tight-Head Universal Drum (ICC-17E)	
★MH2.7-1959 †16-Gallon Tight-Head Universal Drum (ICC-17E)	
★MH2.8-1959 †16-Gallon Full-Removable-Head Lug-Cover Universal Drum (UFC and CFC—Rule 40, NMFC—Rule 5)	
★MH2.9-1959 †5-Gallon Tight-Head Universal Pail (ICC-17E)	
★MH2.10-1959 †5-Gallon Lug-Cover Universal Pail (ICC-37A-80)	
L00	
● MH3 — Motor Oil Cans	
The following will be redesignated as MH standards as they are revised or reaffirmed.	
B64.1-1954 †One-Quart Round Motor Oil Cans, Specifications for .....	.35
B64.2-1957 †Five-Quart and One-Gallon Round Motor Oil Cans, Requirements for .....	.35
B64.3-1954 †Oblong Oil Cans, Requirements for .....	.35
B64.4-1954 †Grease Cans, Requirements for .....	.35
●	
★MH4.1-1959 Conveyor Terms and Definitions (CEMA 102) (Revision of B75.1-1956)	1.50
★MH7.1-1959 †Shipping Cases for Petroleum Containers, Dimensions for .....	.35

★, approved since last price list; ★, not yet available; †, quantity prices apply; R, reaffirmed

	Price
N — Nuclear	
N1.1-1957	Nuclear Science and Technology, Glossary of Terms in 5.00
O — Wood Industry	
O1.1-1954	†Woodworking Machinery, Safety Code for 1.00
O4.1-1958	Testing Small Clear Specimens of Timber, Methods of (ASTM D143-52) ..... .60
O4.2-1927 R1958	Static Tests of Timbers in Structural Sizes, Methods of (ASTM D198-27) (Reaffirmation of O4b-1927) ..... .30
O4.3-1958	Establishing Structural Grades of Lumber, Methods for (ASTM D245-57T) ..... .60
O4.4-1958	Static Tests of Wood Poles, Methods of (ASTM D1036-55T) ..... .50
O4.5-1958	Terms Relating to Timber, Definitions of (ASTM D9-30) ..... .30
O4.6-1958	Domestic Hardwoods and Softwoods, Nomenclature of (ASTM D1165-52) ..... .30
O5.1-1948	†Wood Poles, Specifications and Dimensions for ..... .75
★O6.1-1959	Round Timber Piles, Specifications for (ASTM D25-58) ..... .30
O7.1-1958	Testing Veneer, Plywood and Other Glued Veneer Constructions, Methods of (ASTM D805-52) ..... .50
O7.2-1958	Terms Relating to Veneer and Plywood, Definitions of (ASTM D1038-52) ..... .30
O8.1-1958	Test for Evaluating the Properties of Building Fiberboards, Methods of (ASTM D1037-56T) ..... .50
O9.1-1958	Wooden Paving Blocks for Exposed Pavements, Specifications for (ASTM D52-20) ..... .30
O10.1-1958	Creosoted End-Grain Wood Block Flooring for Interior Use, Specifications for (ASTM D1031-55) ..... .30
O12.1-1958	Modified Wood, Specifications for (ASTM D1324-57T) ..... .30

P — Pulp and Paper Industry

P1.1-1956	†Paper and Pulp Mills, Safety Code for ... 1.00
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PH — Photography and Motion Pictures**●PH1 — Characteristics of Photographic Films, Plates, and Papers:**

(20% discount will be allowed on the purchase of complete PH1 Series) (Binder \$2.00)

PH1.1-1953	†Designation for Thickness of Photographic Paper (Revision of Z38.1.44-1944) ..... .35
PH1.2-1952	†5 1/4- x 2 1/2-Inch Aerial Film Spools, Dimensions for (Revision of Z38.1.32-1945) ..... .35
PH1.3-1952	†5 1/2- x 2 3/4-Inch Aerial Film Spools, Dimensions for (Revision of Z38.1.33-1945) ..... .35
PH1.4-1952	†7- x 1 1/2-Inch Aerial Film Spools, Dimensions for (Revision of Z38.1.34-1945) ... .35
PH1.5-1952	†7- x 2 3/4-Inch Aerial Film Spools, Dimensions for (Revision of Z38.1.36-1945) ... .35
PH1.6-1952	†7- x 4 1/2-Inch Aerial Film Spools, Dimensions for (Revision of Z38.1.37-1945) ... .35

●Photographic Films, Plates, and Papers (Continued)

PH1.7-1952	†9 1/4- x 4-Inch Aerial Film Spools, Dimensions for (Revision of Z38.1.38-1945) ... .35
PH1.8-1952	†9 1/4- x 5 1/2-Inch Aerial Film Spools, Dimensions for (Revision of Z38.1.39-1945) ... .35
PH1.9-1952	†9 1/4- x 6 5/8-Inch Aerial Film Spools, Dimensions for (Revision of Z38.1.40-1945) ... .35
PH1.10-1952	†Roll Film and Unsensitized Leaders and Trailers for Aerial Photography, Dimensions for (Revision of Z38.1.41-1944) ... .35
PH1.11-1958	†Photographic Roll Paper, Dimensions for ... .35
PH1.12-1953	†Photographic Paper Sheets, Dimensions for (Revision of Z38.1.43-1947 and Partial Revision of Z38.1.6-1943) ..... .35
PH1.13-1953	†Dimensions for Molded-Type Cores for Photographic Film and Paper Rolls (Revision of Z38.1.48-1947) ..... .35
★PH1.14-1959	†35-Millimeter Film Magazines and Film for Still Picture Cameras, Dimensions for (Revision and Combination of PH1.14-1953 and Z38.1.49-1951) ..... .35
PH1.15-1953	†Industrial X-ray Sheet Film (Inch Sizes), Dimensions for (Revision of Z38.1.25-1947) ..... .35
PH1.16-1953	†Graphic Arts Sheet Film (Inch Sizes), Dimensions for (Revision of Z38.1.26-1947) ..... .35
PH1.17-1956	†Medical X-ray Sheet Film (Inch and Centimeter Sizes), Dimensions for ..... .35
PH1.18-1956	†Professional Portrait and Commercial Sheet Film (Inch and Centimeter Sizes), Dimensions for (Revision of PH1.18-1953 and Z38.1.29-1949) ..... .35
PH1.19-1944 R1958	†Emulsion Side of Photographic Sheet Films, Designation of ..... .35
PH1.20-1956	†70-Millimeter Unperforated and Perforated Film for Cameras other than Motion Picture Cameras (Revision of Z38.1.3-1948) ..... .35
PH1.21-1956	†Amateur Roll Film, Backing Paper, and Film Spools (Revision of Z38.1.7-1950) .. 1.50
★PH1.23-1959	†Photographic Dry Plates, (Inch and Centimeter Sizes) Dimensions for ..... .35
PH1.24-1955	†35-Millimeter Slide Film Projection Rolls (Revision of Z38.3.3-1946) ..... .35
PH1.25-1956	†Safety Photographic Film, Specifications for (Revision of Z38.3.1-1943) ..... .35
PH1.26-1956	†Film Packs, Dimensions for (Revision of Z38.1.1-1951) ..... .35
PH1.27-1956	†Spooling Photographic Paper for Recording Instruments, Requirements for ..... .35
PH1.28-1957	†Photographic Films for Permanent Records, Specifications for (Revision of Z38.3.2-1945) ..... .50
PH1.29-1958	†Curl of Photographic Film, Methods for Determining the ..... .80
PH1.30-1958	†Film in Rolls for Recording Instruments, Graphic Arts, Photo Typesetting, Portrait, X-ray, and Related Use, Dimensions for ..... .35
PH1.31-1958	†Brittleness of Photographic Film, Method for Determining the ..... .80
★PH1.32-1959	†Determining the Dimensional Change Characteristics of Photographic Films and Papers, Method for 1.50

ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

● Photographic Films, Plates, and Papers (Continued)

These Z38 numbers will be changed to PH1 as the standards are revised or reaffirmed.

	Price
Z38.1.52-1951 †16-Millimeter 100-Foot Film Spool for Recording Instruments and Still Picture Cameras, Dimensions for .....	.35
Z38.1.53-1951 †16-Millimeter 200-Foot Film Spool for Recording Instruments and Still Picture Cameras, Dimensions for .....	.35
Z38.1.54-1951 †35-Millimeter 100-Foot Film Spool for Recording Instruments and Still Picture Cameras, Dimensions for .....	.35
Z38.1.55-1951 †70-Millimeter 100-Foot Film Spool for Recording Instruments and Still Picture Cameras, Dimensions for .....	.35

● PH2 — Photographic Sensitometry

(20% discount will be allowed on the purchase of complete PH2 series) (Binder \$2.00)

PH2.1-1952 †Spectral Diffuse Densities of Three-Component Subtractive Color Films .....	.35
PH2.2-1953 †Sensitometry and Grading of Photographic Papers .....	.50
PH2.3-1956 †Acuity or the Relative Photographic Effectiveness of Illuminants, Method for Determining the .....	.50
PH2.4-1953 †Exposure Guide Numbers for Photographic Lamps, Method for Determining .....	.50
PH2.5-1954 †Photographic Speed and Exposure Index, Method for Determining (Embodying ISO R6) .....	.50
PH2.6-1954 †Spectral-Sensitivity Indexes and Group Numbers for Photographic Emulsions, Methods of Determining .....	.75
PH2.7-1955 †Photographic Exposure Computer (Special quantity discounts apply)	1.50
PH2.8-1956 †Sensitometry of Industrial X-ray Films for Energies up to 2 Million Electron Volts, Method for the	1.00
PH2.9-1956 †Sensitometry of Medical X-ray Films, Method for the	1.00
PH2.10-1956 †Evaluating Films for Monitoring X-rays and Gamma Rays Having Energies up to 2 Million Electron Volts, Method for .....	.75
PH2.11-1958 †Sensitometric Exposure of Daylight-Type Color Films .....	.50
PH2.12-1957 †General-Purpose Photographic Exposure Meters (Revision of Z38.2.6-1948) .....	.75
PH2.13-1958 †Testing Photographic Flash Lamps, Method for (Revision of Z52.43-1944) .....	.35
PH2.14-1958 †Special-Purpose Photographic Exposure Indexes for Short and for Long Exposure Times .....	.80
PH2.17-1958 †Diffuse Reflection Density .....	.80
PH2.19-1959 †Diffuse Transmission Density (Embodying ISO R5)	1.80

The number of the following standard will be changed to PH2 when it is revised or reaffirmed.

Z38.8.13-1950 †Safety Time of Photographic Dark-room Illumination, Procedure for Determining the35
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★, approved since last price list; ★, not yet available; †, quantity prices apply; R, reaffirmed

● PH3 — Photographic Apparatus:

(20% discount will be allowed on the purchase of complete PH3 series) (Binder \$2.00)

	Price
★PH3.1-1959 †Back Window Location for Roll Film Cameras .....	.35
PH3.2-1952 R1959 †Performance Characteristics of Focal-Plane Shutters Used in Still Picture Cameras, Method for Determining .....	.35
★PH3.4-1959 †Performance Characteristics of Front Shutters Used in Still Cameras, Method for Determining .....	.50
PH3.6-1952 R1957 †Tripod Connections for American Cameras, $\frac{1}{4}$ -Inch-20 Thread (Revision of Z38.4.1-1942) .....	.35
PH3.7-1952 R1957 †Tripod Connections for Heavy-Duty or European Cameras, $\frac{1}{4}$ -Inch-16 Thread with Adapter for $\frac{1}{4}$ -Inch-20 Tripod Screws .....	.35
PH3.8-1953 R1959 †Contact Printers, Specifications for .....	.35
PH3.9-1953 R1959 †Masks (Separate) for Use in Photographic Contact Printing of Roll Film Negatives, Specifications for .....	.35
PH3.10-1954 †Threads for Attaching Mounted Lenses to Photographic Equipment .....	.35
PH3.11-1953 R1959 †Stereo Still Pictures on 35-Millimeter Film (5-Perforation Format) Dimensions for .....	.35
★PH3.12-1959 †Attachment Threads for Lens Accessories, Specifications for .....	.35
PH3.13-1958 †Focal Length Marking of Lenses (Revision of Z38.44-1942) .....	.35
PH3.14-1958 †Front Lens Mounts for Cameras, Dimensions of .....	.35
PH3.15-1944 R1959 †Printing Frames, Specifications for .....	.35
PH3.16-1947 R1952 †Resolving Power of Lenses for Projectors for 35-mm Slidefilm and 2- x 2-Inch Slides, Method for Determining .....	.35
PH3.17-1958 †Photographic Filter Sizes, Specification for .....	.35
PH3.18-1957 †Internal Synchronization of Front Shutters, Classifying and Testing the .....	.35
PH3.19-1948 R1954 †Radiographic Intensifying Screens, Dimensions for .....	.35
PH3.20-1955 †Focusing Camera Lenses, Distance Scales for (Revision of Z38.4.3-1947 and Z38.4.13-1948) .....	.35
PH3.21-1957 †Medical X-ray Film Cassettes (Inch and Centimeter Sizes) Dimensions for .....	.35
PH3.22-1958 †Distribution of Illuminance Over the Field of a Photographic Objective or Projection Lens .....	.75
PH3.23-1950 R1956 †Shutter Cable Release Tip and Socket with Taper (European) Thread (Reaffirmation of Z38.4.5-1950) .....	.35
PH3.24-1950 R1956 †Shutter Cable Release Tip and Socket with Straight (American) Thread (Reaffirmation of Z38.4.6-1950) .....	.35
PH3.25-1948 R1957 †Parts of a Photographic Objective Lens, Nomenclature for (Reaffirmation of Z38.4.19-1948) .....	.35
PH3.26-1951 R1957 †Photographic Double Film Holders of the Lock Rib Type, Dimensions for (Reaffirmation of Z38.1.51-1951) .....	.35

	Price		Price
● Photographic Apparatus (Continued)		● Photographic Processing (Continued)	
PH3.27-1949 †Lantern Slide Projectors, Specifications for R1957 (Reaffirmation of Z38.7.14-1949) .....	.35	PH4.14-1956 †Definition of a Fine Grain Developer ....	.50
PH3.28-1945 R1957 †Slidefilm Projectors, Specifications for (Reaffirmation of Z38.7.15-1945) .....	.35	PH4.15-1945 R1954 †Bite of Film Clip, Dimensions for .....	.35
PH3.29-1958 †Apertures and Related Quantities Pertaining to Photographic Lenses, Methods of Designating and Measuring (Revision of Z38.4.20-1948) .....	.35	PH4.16-1957 †Chromium-Plated Surfaces for Ferrotyping, Specifications for (Revision of Z38.8.18-1948) .....	.35
PH3.30-1958 †Camera Accessory Shoes, Dimensions for .....	.35	PH4.17-1958 †Radiographic Film Processing Tanks, Internal Dimensions for, (Revision of Z38.8.7-1946) .....	.35
PH3.31-1958 †Photographic Enlargers, Methods for Testing (Revision of Z38.7.6-1950) .....	.50	PH4.18-1956 †X-ray Sheet Film Hangers (Clip-Type) (Revision of Z38.8.23-1949) .....	.35
★PH3.32-1959 †Exposure-Time Markings for Shutters Used in Still Cameras (Revision of PH3.3 and PH3.5-1952) .....	.35	PH4.19-1956 †Deep Tanks for Manual Processing of Amateur Roll Film, Internal Dimensions for (Revision of Z38.8.8-1946) .....	.35
★PH3.33-1959 †Aperture Markings for Still Camera Lenses (Revision of Z38.4.7-1950) .....	.35	PH4.20-1958 †Photographic Filing Enclosures for Storing Processed Photographic Films, Plates, and Papers (Revision of Z38.8.21-1950) .....	.60
★PH3.34-1959 †Projectors for Opaque Materials, Specifications for (Revision of Z38.7.4-1944) ..	.35	PH4.21-1958 †Photographic Grade Dry Mounting Tissue, Specification for .....	.35
★PH3.35-1960 †Designating and Measuring Focal Lengths and Focal Distances of Photographic Lenses, Methods of (Revision of Z38.4.21-1948) .....	.35	PH4.22-1956 †Channel-type Multiple Photographic Hangers (Plates and Sheet Film) .....	.35
These Z38 numbers will be changed to PH3 as the standards are revised or reaffirmed.		PH4.25-1958 †Photographic Laboratory Spring-Driven Timers, Specification for .....	.35
Z38.4.8-1950 †Roll Film Cameras, Picture Sizes for .....	.35	★PH4.27-1959 †Photographic Chemical Scales, Specifications for (Partial Revision of Z38.8.9-1946) .....	.35
Z38.7.5-1948 †Printing and Projection Equipment, Methods of Testing .....	.35	These Z38 numbers will be changed to PH4 as the standards are revised or reaffirmed.	
Z38.7.19-1950 †Lantern Slides, Dimensions for .....	.35	Z38.8.3-1947 †Photographic Processing Manipulation of Films and Plates, Practice for .....	.50
● PH4 — Photographic Processing:		Z38.8.6-1949 †Photographic Processing Manipulation of Paper, Practice for .....	.50
(20% discount will be allowed on the purchase of complete PH4 series) (Binder \$2.00)		Z38.8.9-1946 †Scales, Graduates, and Thermometers for Use in Photography, Accuracy of (Partially revised by PH4.7-1958 and PH 4.27-1959) .....	.35
★PH4.2-1960 †Sheet Film and Processing Tanks, Specifications for .....	.35	Z38.8.14-1950 †Photographic Wetting Agents, Requirements for .....	.35
★PH4.3-1960 †Photographic Trays, Specifications for .....	.35	Z38.8.25-1950 †Residual Thiosulfate and Tetrathionate in Processed Photographic Papers, Method for Determining .....	.35
★PH4.4-1960 †Channel-Type Photographic Processing Hangers for Sheet Films and Plates, Specifications for .....	.35	● Specifications for Photographic Grade Chemicals:	
PH4.5-1953 †Temperature for Photographic Processing Solutions .....	.35	Acids	
PH4.6-1953 †Converting Weights and Measures for Photographic Use, Method for .....	.35	PH4.100-1958 †Acetic Acid, Glacial (Revision of Z38.8-100-1949) .....	.35
PH4.7-1958 †Thermometers for Photographic Processing, Specifications for (Partial Revision of Z38.8.9-1946) .....	.35	PH4.101-1958 †Sulfuric Acid (Revision of Z38.8.101-1949) .....	.35
PH4.8-1958 †Determining the Thiosulfate Content of Processed Black-and-White Photographic Film and Plates, Method for .....	.80	PH4.102-1958 †Citric Acid, Monohydrate (Revision of Z38.8.102-1949) .....	.35
PH4.9-1956 †Photographic Graduates (Revision of Z38.8.12-1948) .....	.35	PH4.103-1958 †Boric Acid, Crystalline (Revision of Z38.8.103-1949) .....	.35
PH4.10-1953 †Photographic Grade Blotters, Requirements for .....	.35	PH4.104-1958 †Hydrochloric Acid (Revision of Z38.8.104-1949) .....	.35
PH4.11-1956 †Method for Determining the Melting Point of a Non-support Layer of Films, Plates, and Papers in Distilled Water (Revision of Z38.8.20-1948) .....	.50	★PH4.105-1960 †Sodium Acid Sulfate, Fused .....	.35
PH4.12-1954 †Stability of the Images of Processed Black-and-White Films, Plates, and Papers, Methods for Indicating the .....	.50	PH4.106-1958 †Acetic Acid, 28-Percent Solution (Revision of Z38.8.106-1949) .....	.35
PH4.13-1954 †Chemical Resistivity and Photographic Inertness of Constructional Materials for Processing Equipment, Method and Criteria for Determining the .....	.50	PH4.107-1954 †Citric Acid, Anhydrous .....	.35

Developing Agents

PH4.125-1956 †Mono-Methyl-Para-Aminophenol Sulfate, (Revision of Z38.8.125-1948)35
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ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

	Price
● Photographic Grade Chemicals (Continued)	
PH4.126-1955 †Hydroquinone (Revision of Z38.8.126-1949) .....	.35
PH4.127-1956 †2,4-Diaminophenol Hydrochloride, (Revision of Z38.8.127-1948) .....	.35
PH4.128-1956 †Para-Hydroxyphenylglycine, (Revision of Z38.8.128-1949) .....	.35
PH4.129-1956 †Para-Aminophenol Hydrochloride, (Revision of Z38.8.129-1948) .....	.35
PH4.130-1956 †Pyrogalllic Acid, (Revision of Z38.8.130-1948) .....	.35
PH4.131-1958 †Catechol (Ortho-dihydrobenzene, Pyrocatechin, Pyrocatechol) (Revision of Z38.8.131-1948) .....	.35
PH4.132-1956 †Para-Phenylenediamine, (Revision of Z38.8.132-1948) .....	.35
PH4.133-1956 †Para-Phenylenediamine, Dihydrochloride, (Revision of Z38.8.133-1948) .....	.35
PH4.134-1956 †Chlorohydroquinone, (Revision of Z38.8.134-1948) .....	.35
PH4.135-1954 †Mono-Benzyl-Para-Aminophenol Hydrochloride .....	.35
Hardeners	
PH4.150-1958 †Aluminum Potassium Sulfate (Revision of Z38.8.150-1949) .....	.35
PH4.151-1958 †Chromium Potassium Sulfate (Revision of Z38.8.151-1949) .....	.35
PH4.152-1958 †Formaldehyde, 37-Percent Solution (Formalin) (Revision of Z38.8.152-1949) .....	.35
★PH4.153-1960 †Paraformaldehyde (Revision of Z38.8.153-1949) .....	.35
Miscellaneous	
PH4.175-1958 †Sodium Sulphate, Anhydrous (Revision of Z38.8.175-1949) .....	.35
PH4.176-1958 †Sodium Acetate, Anhydrous (Revision of Z38.8.176-1949) .....	.35
PH4.177-1956 †Sodium Thiocyanate .....	.35
PH4.178-1954 †Isopropylamine, 50-Percent Aqueous Solution (Monoisopropylamine) .....	.35
PH4.179-1956 †Sodium Citrate .....	.35
PH4.180-1958 †Copper Sulfate (Cupric Sulfate) (Revision of Z38.8.180-1949) .....	.35
PH4.181-1954 Benzyl Alcohol .....	.35
PH4.183-1953 †Ammonium Chloride .....	.35
PH4.184-1953 †Ammonium Sulfate .....	.35
Restrainers and Antifoggants	
PH4.200-1955 †Potassium Bromide (Revision of Z38.8.200-1949) .....	.35
PH4.201-1957 †Potassium Iodide (Revision of Z38.8.201-1948) .....	.35
PH4.202-1956 †Potassium Chloride (Revision of Z38.8.202-1948) .....	.35
PH4.203-1956 †Sodium Chloride (Revision of Z38.8.203-1948) .....	.35
PH4.204-1955 †Benzotriazole (1,2,3-Benzotriazole) (Revision of Z38.8.204-1948) .....	.35
PH4.205-1956 †5-Methylbenzotriazole (Revision of Z38.8.205-1948) .....	.35
PH4.206-1956 †6-Nitrobenzimidazole Nitrate (Revision of Z38.8.206-1948) .....	.35
PH4.207-1954 †Sodium Bromide .....	.35

★. approved since last price list; ★, not yet available; †, quantity prices apply; R, reaffirmed

	Price
● Photographic Grade Chemicals (Continued)	
Alkalies	
PH4.225-1956 †Sodium Hydroxide (Revision of Z38.8.225-1948) .....	.35
PH4.226-1956 †Potassium Hydroxide (Revision of Z38.8.226-1948) .....	.35
PH4.227-1954 †Sodium Carbonate, Monohydrate .....	.35
PH4.228-1954 †Sodium Carbonate, Anhydrous .....	.35
PH4.229-1956 †Potassium Carbonate (Revision of Z38.8.229-1948) .....	.35
PH4.230-1954 †Sodium Tetraborate, Decahydrate (Borax) .....	.35
PH4.231-1954 †Sodium Metaborate, Octahydrate .....	.35
PH4.232-1956 †Ammonium Hydroxide (Revision of Z38.8.232-1948) .....	.35
PH4.233-1954 †Sodium Tetraborate Pentahydrate (Borax-5 Mole) .....	.35
Fixing Agents	
PH4.250-1953 †Sodium Thiosulfate, Anhydrous .....	.35
PH4.251-1953 †Sodium Thiosulfate, Crystalline .....	.35
PH4.252-1953 †Ammonium Thiosulfate, 60 Percent Solution .....	.35
PH4.253-1953 †Ammonium Thiosulfate .....	.35
Sulfites	
PH4.275-1952 †Sodium Sulfite .....	.35
PH4.276-1958 †Sodium Bisulfite, Anhydrous (Sodium metabisulfite) (Revision of Z38.8.276-1949) .....	.35
PH4.277-1957 †Potassium Metabisulfite (Revision of Z38.8.277-1948) .....	.35
Bleaching Agents	
PH4.300-1958 †Potassium Dichromate (Potassium Bichromate) (Revision of Z38.8.177-1949) .....	.35
PH4.301-1958 †Potassium Permanganate (Revision of Z38.8.178-1949) .....	.35
PH4.302-1958 †Potassium Ferricyanide (Revision of Z38.8.179-1949) .....	.35
PH4.303-1958 †Potassium Persulfate (Revision of Z38.8.181-1949) .....	.35
★PH4.304-1960 †Sodium Ferrocyanide .....	.35
● PH5 — Photographic Reproduction of Documents:	
★PH5.1-1959 Microfilm Readers for 16mm and 35mm Film on Reels, Specifications for (Revision of Z38.7.9-1946) .....	.50
PH5.2-1957 Paper Sheets for Photo-Reproduction of Documents, Dimensions for .....	.35
PH5.3-1958 †16mm and 35mm Microfilms on Reels or in Strips, Specifications for (Revision of Z38.7.8-1947) .....	.50
PH5.4-1957 †Storage of Microfilm, Practice for .....	.50
Z38.7.17-1946 †Processed Microfilm, Reels for .....	.35
● PH22 — Motion Pictures:	
(20% discount will be allowed on the purchase of complete PH22 series) (Special Binder \$5.00)	
PH22.1-1953 †35mm Motion-Picture Film, Alternate Standards for Either Positive or Negative Raw Stock, Dimensions for .....	.35
PH22.2-1954 †35mm Sound Motion-Picture Film Usage in Camera (Embodying ISO R23) .....	.35

	Price		Price
●PH22 — Motion Pictures (Continued)			
PH22.3-1954 †35mm Sound Motion-Picture Film Usage in Projector (Embodies ISO R24) . . . . .	.35		
PH22.5-1953 †16-Millimeter Film, Perforated Two Edges, Dimensions for (Embodies a portion of ISO R69) . . . . .	.35		
PH22.8-1957 †16mm Motion-Picture Film, Projected Image Area of (Revision of Z22.8-1950) . . . . .	.35		
PH22.9-1956 †16mm Film Perforated Along Two Edges, Usage in Camera (Embodies ISO R25) . . . . .	.35		
PH22.10-1956 †16mm Film Perforated Along Two Edges, Usage in Projector (Embodies ISO R26) . . . . .	.35		
PH22.11-1953 †16-Millimeter Motion-Picture Projection Reels . . . . .	.35		
PH22.12-1953 †16-Millimeter Film, Perforated One Edge, Dimensions for (Embodies a portion of ISO R69) . . . . .	.35		
PH22.15-1955 †16mm Film Perforated One Edge, Usage in Camera (Embodies ISO R27) . . . . .	.35		
PH22.16-1955 †16mm Film Perforated One Edge, Usage in Projector (Revision of Z22.16-1947) . . . . .	.35		
PH22.17-1954 †Dimensions for 8mm Motion-Picture Film . . . . .	.35		
PH22.20-1957 †8mm Motion-Picture Film, Projected Image Area of (Embodies a portion of ISO R74) . . . . .	.35		
PH22.21-1953 †8-Millimeter Motion-Picture Film, Usage in Camera (Embodies ISO R28) . . . . .	.35		
PH22.22-1953 †8mm Motion-Picture Film, Usage in Projector (Embodies ISO R29) . . . . .	.35		
PH22.23-1958 †8mm Motion-Picture Projection Reels (Revision of Z22.23-1941) . . . . .	.35		
PH22.24-1952 †Splices for 16-Millimeter Motion-Picture Films for Projection . . . . .	.35		
PH22.27-1947 R1955 †Transmission Density of Motion-Picture Films, Method of Determining . . . . .	.35		
PH22.28-1958 †Focal Lengths and Markings of 35mm Motion-Picture Projection Lenses (Revision of Z22.28-1946) . . . . .	.35		
PH22.31-1958 †Motion-Picture Safety Film (Revision of Z22.31-1946) (Including PH1.25-1956) . . . . .	.75		
PH22.34-1956 †35mm Motion-Picture Film, BH-1870, Dimensions for (Revision of Z22.34-1949) . . . . .	.35		
PH22.35-1957 †16-Tooth 35mm Motion-Picture Projector Sprockets (Revision of Z22.35-1947) . . . . .	.35		
PH22.36-1954 †Dimensions for 35mm Motion-Picture Positive Raw Stock . . . . .	.35		
PH22.37-1944 R1955 †Raw Stock Cores for 35-Millimeter Motion-Picture Film . . . . .	.35		
PH22.38-1952 †Raw Stock Cores for 16-Millimeter Motion-Picture Film . . . . .	.35		
PH22.39-1953 †Screen Brightness for 35mm Motion-Pictures . . . . .	.35		
PH22.40-1957 †Photographic Sound Record on 35mm Prints (Embodies ISO R70) . . . . .	.35		
PH22.41-1957 †Photographic Sound Record on 16mm Prints (Embodies ISO R71) . . . . .	.35		
PH22.42-1955 †16mm Sound-Focusing Test Film (Revision of Z22.42-1946) . . . . .	.35		
PH22.43-1953 †16mm 3000-Cycle Flutter Test Film . . . . .	.35		
PH22.44-1953 †16mm Multifrequency Test Film . . . . .	.35		
PH22.45-1955 †16mm 400-Cycle Signal-Level Test Film (Revision of Z22.45-1946) . . . . .	.35		
●PH22 — Motion Pictures (Continued)			
PH22.46-1946 R1959 †16-Millimeter Positive Aperture Dimensions and Image Size for Positive Prints Made from 35-Millimeter Negatives . . . . .	.35		
PH22.47-1946 R1959 †Negative Aperture Dimensions and Image Size for 16-Millimeter Duplicate Negatives Made from 35-Millimeter Positive Prints . . . . .	.35		
PH22.48-1956 †Picture Printer Aperture for Contact Printing 16mm Positive from 16mm Negative (Revision of Z22.48-1946) . . . . .	.35		
PH22.49-1946 R1955 †Printer Aperture Dimensions for Contact Printing 16-Millimeter Reversal and Color Reversal Duplicate Prints . . . . .	.35		
PH22.50-1946 R1952 †Reel Spindles for 16-Millimeter Motion-Picture Projectors . . . . .	.35		
PH22.51-1954 †Cross-Modulation Tests, 16mm Variable-Area Photographic Sound . . . . .	.35		
PH22.53-1953 †Method of Determining Resolving Power of 16mm Motion-Picture Projector Lenses . . . . .	.35		
PH22.57-1955 †16mm Buzz-Track Test Film (Revision of Z22.57-1947) . . . . .	.35		
PH22.58-1954 †Aperture for 35mm Sound Motion-Picture Projectors (Embodies a portion of ISO R73) . . . . .	.35		
PH22.59-1954 †Aperture for 35mm Sound Motion-Picture Cameras (Embodies a portion of ISO R73) . . . . .	.35		
★PH22.60-1959 †Theatre Sound Test Film for 35-Millimeter Motion-Picture Sound Reproducing Systems . . . . .	.35		
PH22.61-1949 R1955 †Sound Focusing Test Film for 35-Millimeter Motion-Picture Sound Reproducers (Reaffirmation of Z22.61-1949) . . . . .	.35		
PH22.62-1948 R1955 †Sound Focusing Test Film for 35-Millimeter Motion-Picture Sound Reproducers (Laboratory Type) . . . . .	.35		
PH22.65-1948 R1953 †Scanning-Beam Uniformity Test Film for 35-Millimeter Motion-Picture Sound Reproducers (Service Type) . . . . .	.35		
PH22.66-1948 R1953 †Scanning-Beam Uniformity Test Film for 35-Millimeter Motion-Picture Sound Reproducers (Laboratory Type) . . . . .	.35		
PH22.67-1948 R1953 †1000-Cycle Balancing Test Film for 35-Millimeter Motion-Picture Sound Reproducers . . . . .	.35		
PH22.68-1949 R1955 †Buzz-Track Test Film for 35-Millimeter Motion-Picture Sound Reproducers (Re-Affirmation of Z22.68-1949) . . . . .	.35		
PH22.69-1948 R1953 †Sound Records and Scanning Area of Double Width Push-Pull Sound Prints (Normal Centerline Type) (Embodies a portion of ISO R72) . . . . .	.35		
PH22.70-1948 R1953 †Sound Records and Scanning Area of Double Width Push-Pull Sound Prints (Offset Centerline Type) (Embodies a portion of ISO R72) . . . . .	.35		
PH22.71-1957 †32mm Motion-Picture Film, 2R-3000, Dimensions for (Revision of Z22.71-1950) . . . . .	.35		
PH22.72-1957 †32mm Motion-Picture Film, 4R-3000, Dimensions for (Revision of Z22.72-1950) . . . . .	.35		
PH22.73-1958 †35mm Motion-Picture Film, Perforated 32mm, 2R-2994, Dimensions for . . . . .	.35		

ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

	Price		Price
● PH22 — Motion Pictures (Continued)		● PH22 — Motion Pictures (Continued)	
PH22.74-1951 †Zero Point for Focusing Scales on 16-Millimeter and 8-Millimeter Motion-Picture Cameras	.35	PH22.104-1957 †Projector Aperture for 35mm, Anamorphic, 2.55:1 Prints with Squeeze Ratio of 2:1	.35
R1957			
PH22.75-1953 †A and B Windings of 16-Millimeter Film Perforated One Edge	.35	PH22.106-1957 †Projector Aperture for 35mm Anamorphic, 2.35:1 Prints with Squeeze Ratio of 2:1	.35
★ PH22.76-1960 †Threaded Lens Mounts for 16mm and 8mm Motion-Picture Cameras	.35	PH22.108-1958 †Four Magnetic Sound Records on 35mm Film	.35
PH22.77-1952 †Splices for 8-Millimeter Motion-Picture Films	.35	PH22.109-1958 †16mm Motion-Picture Film, 1R-2994, Dimensions for	.35
PH22.79-1950 R1956 †16-Millimeter Sound Projector Test Film (Reaffirmation of Z22.79-1950)	.35	PH22.110-1958 †16mm Motion-Picture Film, 2R-2994, Dimensions for	.35
PH22.82-1951 †Sound Transmission of Perforated Projection Screens	.35	PH22.111-1958 †Picture and Sound Apertures for Continuous Contact Printers for 35mm Release Prints with Photographic Sound Records	.35
PH22.83-1952 †Edge-Numbering 16-Millimeter Motion-Picture Film	.35	PH22.112-1958 †Picture-Sound Separation in 16mm Magnetic Sound Projectors	.35
PH22.84-1953 †Projection Lamps, Medium Prefocus Ring Double-Contact Base-Up Type for 16mm and 8mm Motion-Picture Projectors, Dimensions for	.35	PH22.113-1958 †16mm Flutter Test Film, Magnetic Type	.35
PH22.85-1953 †Projection Lamps, Medium Prefocus Base-Down Type for 16mm and 8mm Motion-Picture Projectors, Dimensions for	.35	★ PH22.114-1959 †16mm Azimuth Test Film, Magnetic Type	.35
PH22.86-1953 †Dimensions for 200-Mil Magnetic Sound Tracks on 35mm and 17½mm Motion-Picture Film	.35		
PH22.87-1958 †100-Mil Magnetic Coating on 16mm Film, Perforated One Edge	.35		
PH22.88-1956 †Magnetic Coating of 8mm Motion-Picture Film	.35		
PH22.89-1958 †Scene-Change Cueing for Printing 16mm Motion-Picture Film	.35		
PH22.90-1953 †Motion Picture Lenses, Aperture Calibration of	.50		
PH22.91-1955 †16mm Motion Picture Projector for Use with Monochrome Television Film Chains Operating on Full-Storage Basis	.35		
PH22.92-1953 R1959 †Enlargement Ratio for 16mm to 35mm Optical Printing	.35		
PH22.93-1953 †Dimensions for 35mm Motion-Picture Short-Pitch Negative Film	.35		
PH22.94-1954 †Slides and Opaques for Television Film Camera Chains (Supplement to Z38.7.19-1950)	.50		
PH22.95-1954 †Television Picture Area—35mm Motion-Picture Film	.35		
PH22.96-1954 †Television Picture Area—16mm Motion-Picture Film	.35		
PH22.97-1956 †200-Mil Magnetic Sound Record on 16mm Film Base Perforated One Edge	.35		
PH22.98-1955 †35-Millimeter Magnetic Flutter Test Film, 3 Track	.35		
PH22.99-1955 †35-Millimeter Magnetic Azimuth Alignment Test Film	.35		
PH22.100-1955 †Screen Brightness of 16-Millimeter Laboratory Review Rooms	.35		
PH22.101-1956 †Magnetic Coating of 16mm Film Perforated Along Both Edges	.35		
PH22.102-1956 †35mm Motion-Picture Film, CS-1870, Dimensions for	.35		
PH22.103-1957 †35mm Anamorphic Prints with Magnetic Sound Records, Usage in Projector	.35		

★, approved since last price list; ★, not yet available; †, quantity prices apply; R, reaffirmed

S — Acoustics, Vibration, Mechanical Shock, and Sound Recording

(20% discount will be allowed on the purchase of complete series)

★ S1.6-1960	†Acoustical Measurements, Preferred Frequencies for	.35
★ S2.2-1959	†Calibration of Shock and Vibration Pick-ups, Methods for the	2.50

The following will be redesignated as S standards as they are revised or reaffirmed:

	Price
Z24.1-1951 †Acoustical Terminology (Embodying ISO R16)	1.50
Z24.1a †Shock and Vibration Terminology, Supplement to Z24.1-1951 (Proposed; distributed for trial and criticism) .....	.75
Z24.3-1944 †Sound Level Meters for Measurement of Noise and Other Sounds .....	.50
Z24.4-1949 †Pressure Calibration of Laboratory Standard Pressure Microphones, Method for the .....	.75
Z24.5-1951 †Audiometers for General Diagnostic Purposes .....	.50
Z24.7-1950 †Apparatus Noise Measurement, Test Code for .....	.80
Z24.8-1949 †Laboratory Standard Pressure Microphones, Specification for .....	.50
Z24.9-1949 †Coupler Calibration of Earphones, Method for the .....	.75
Z24.10-1953 †Octave-Band Filter Set for the Analysis of Noise and Other Sounds, Specification for an .....	.50
Z24.11-1954 †Free-Field Secondary Calibration of Microphones, Method for the .....	.50
Z24.12-1952 †Pure-Tone Audiometers for Screening Purposes, Specification for .....	.50
Z24.13-1953 †Speech Audiometers, Specifications for .....	.50
Z24.14-1953 †Measurement of Characteristics of Hearing Aids, Methods for .....	.50
Z24.15-1955 †Specifying the Characteristics of Analyzers Used for the Analysis of Sounds and Vibrations, Method for .....	.50
Z24.17-1955 †Design, Construction, and Operation of Class HI (High-Impact) Shock-Testing Machine for Lightweight Equipment, Specification for the	1.00

Complete manufacturing and installation drawings for the Class HI (High-Impact) Shock-Testing Machine for Lightweight Equipment as specified in American Standard Z24.17-1955, consisting of 19 sheets.

Price Per Set..... \$25.00

Z24.18-1956 †Ultrasonic Therapeutic Equipment, Specification for .....	.75
Z24.19-1957 †Laboratory Measurement of Air-Borne Sound Transmission Loss of Building Floors and Walls, Recommended Practice for .....	.50
Z24.21-1957 †Specifying the Characteristics of Pickups for Shock and Vibration Measurement, Method for	1.00
Z24.22-1957 †Measurement of the Real-Ear Attenuation of Ear Protectors at Threshold, Method for the .....	.50
Z24.24-1957 †Calibration of Electroacoustic Transducers (Particularly Those for Use in Water), Procedures for	2.00

Price

Z24-X2 The Relations of Hearing Loss to Noise Exposure	\$1.50
64 pp, 6 x 9 in., 18 figures, 8 tables, heavy paper cover. This report by Exploratory Subcommittee Z24-X-2 of Sectional Committee Z24 on Acoustics, Vibration, and Mechanical Shock analyzes the noise problem. Representing one of the most comprehensive surveys ever made, it tells what factors enter into industrial loss of hearing; how much certain types of noise affect hearing; what allowance to make for recovery of hearing after noise exposure; what loss of hearing to expect of different age groups.	

Z57.1-1954 †Flutter Content of Sound Recorders and Reproducers, Method for Determining ..	.75
★Z57.4-1959 †Magnetic Recording Instruments for the Home—Wire Size, Speed, Spools, Requirements for (EIA REC-131-A) .....	.35

X — Office Equipment and Supplies

X2.1.1-1951 †Desks and Tables for General Office Use, Dimensions of .....	.35
X2.1.2-1952 †Installation of Telephone Equipment on Desks, Provisions for .....	.35
X2.1.3-1954 †Reflectances of Furniture for General Office Use .....	.35
X2.1.4-1954 †Posture Chair, Definition of .....	.35
X2.2.1-1955 Basic Sheet Sizes and Standard Stock Sizes for Bond Papers and Index Bristols .....	.35
★X2.3.4-1959 †Charting Paperwork Procedures, Method of .....	.35
X2.4.1-1951 †Index Cards and Record-Keeping Cards, Size Designation for .....	.35
X2.4.2-1954 †Non-Carbonized, Single-Ply, Adding Machine Paper Rolls, Specifications for .....	.35
X2.4.3-1956 Ring, Memo, and Post Binder Sheet Sizes and Ring and Post Data .....	.25
X2.5.16-1954 †Operating Voltage Range of Office Dictating Machines .....	.35
X2.5.17-1954 †Maximum Electrical Leakage of Dictating Machines .....	.35
X2.5.19-1954 †Cable for Office Dictation Machines, Length of .....	.35
★X2.5.20-1960 †Office Type Dictating Equipment, Minimum Requirement for .....	.35
★X2.5.21-1959 †Remote Dictation Through an Intercommunication Switching System, Minimum Requirements for .....	.35

Y — Drawings, Symbols, and Abbreviations

(Formerly Z)

Y is the letter assigned to standards for abbreviations, charts and graphs, drawings, graphical symbols, and letter symbols. Standards presently designated Z will be changed to Y when revised.

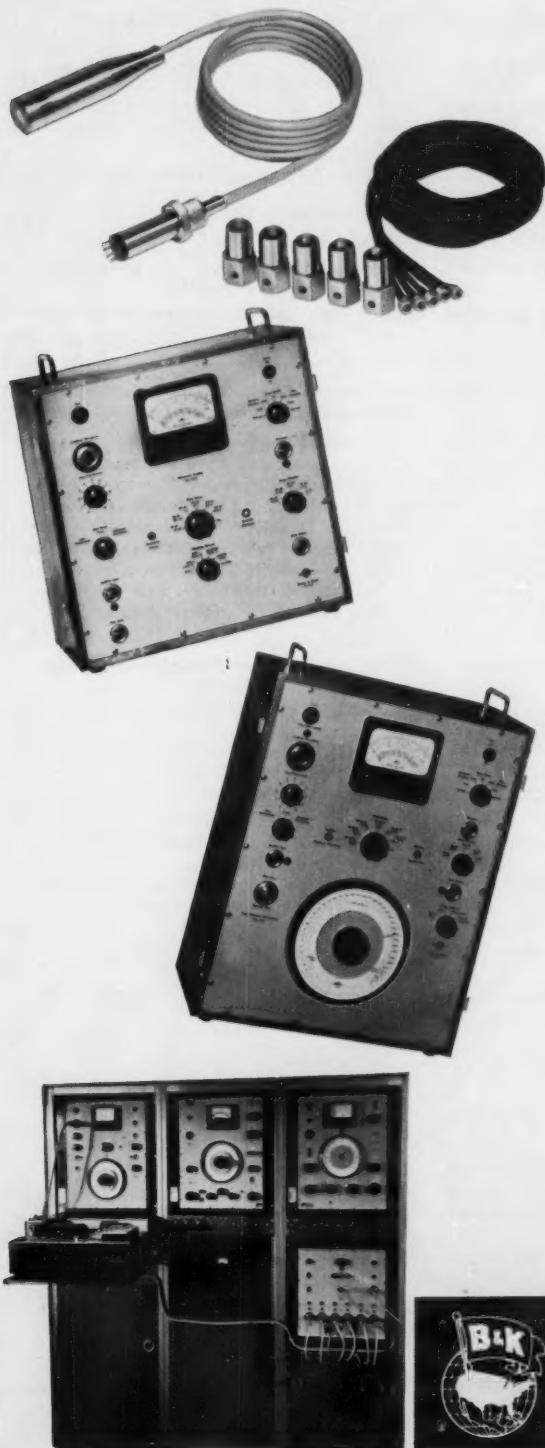
●Y1 — Abbreviations:

The following standards will be numbered Y1 when they are revised.

Z10.1-1941 Abbreviations for Scientific and Engineering Terms	1.00
Z32.13-1950 †Abbreviations for Use on Drawings	2.00

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Dynamic Range: 15 db to 200 db re 0.0002 dynes/cm²
Frequency Range: 10 c/s to 35,000 c/s
Read Out: TRUE RMS, Average or Peak on Meter or Chart Recording
Accuracy: ± 0.5 db

VIBRATION MEASUREMENT INSTRUMENTS

Dynamic Range: 0.002G to 2000G
Frequency Range: 10 c/s to 25,000 c/s
Read Out: TRUE RMS, Average or Peak on Meter or Chart Recording
Accuracy: ± 0.5 db

AUDIO SPECTRUM ANALYSIS INSTRUMENTATION

Voltage Range: 5 micro volts to 1000 volts
Frequency Range: 10 c/s to 35,000 c/s
Filter Band Widths: 6% to 30%, $\frac{1}{3}$ octave; full octave
Tuning: Manual or Automatic
Read Out: TRUE RMS, Average or Peak on Meter or Calibrated Chart
Accuracy: ± 0.5 db

FREQUENCY RESPONSE MEASURING INSTRUMENTATION

Frequency Ranges: 2 to 2000 c/s, 20 to 20,000 c/s, 200 to 200,000 c/s
Tuning: Manual or Automatic
Signal Distortion: 0.1% to 0.5%
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		Price
●	Y10 — Letter Symbols: (see also B6.5 and Z7.1)	
Y10.2-1958	Letter Symbols for Hydraulics (Revision of Z10.2-1942)	1.00
Y10.4-1957	Letter Symbols for Heat and Thermodynamics (Revision of Z10.4-1943)	1.50
Y10.7-1954	Letter Symbols for Aeronautical Sciences	2.00
Y10.9-1953	Letter Symbols for Radio	1.00
Y10.10-1953	Meteorology, Letter Symbols for	1.00
Y10.11-1953	Letter Symbols for Acoustics	1.00
	R1959	
Y10.12-1955	Letter Symbols for Chemical Engineering	1.50
★Y10.14-1959	Letter Symbols for Rocket Propulsion	2.00
Y10.15-1958	Letter Symbols for Petroleum Reservoir Engineering and Electric Logging	1.50

The following numbers will be changed to Y10 as the standards are revised.

Z10.1-1928	Mathematical Symbols	.60
Z10.3-1948	Letter Symbols for Mechanics of Solid Bodies	1.00
R1953		
Z10.5-1949	Letter Symbols for Electrical Quantities	<i>Out of print</i>
Z10.6-1948	Letter Symbols for Physics	2.00
Z10.8-1949	Letter Symbols for Structural Analysis	1.00

● Y14 — American Standard Drafting Manual

(Sections preceded by an asterisk are partial revisions of Z14.1-1946)

Y14.1-1957	*Size and Format (Section 1)	1.00
Y14.2-1957	*Line Conventions, Sectioning and Lettering (Section 2)	1.50
Y14.3-1957	*Projections (Section 3)	1.50
Y14.4-1957	Pictorial Drawing (Section 4)	1.50
Y14.5-1957	*Dimensioning and Notes (Section 5)	2.00
Y14.6-1957	*Screw Threads (Section 6)	1.50
Y14.7-1958	*Gears, Splines and Serrations (Section 7)	1.50
Y14.9-1958	Forging (Section 9)	1.50
★Y14.10-1959	*Metal Stampings (Section 10)	1.50
Y14.11-1958	Plastics (Section 11)	1.50
★Y14.17-1959	Fluid Power Diagrams (Section 17)	1.50

● Y15 — Charts and Graphs:

Y15.1-1959	Illustrations for Publication and Projection (Revision of Z15.1-1932 and Z15.3-1943)	2.00
★Y15.2-1960	Time Series Charts (Revision of Z15.2-1938)	3.50

● Y32 — Graphical Symbols:

Y32.2-1954	†Graphical Symbols for Electrical Diagrams	2.00
★Y32.3-1959	Graphical Symbols for Welding (Revision of Z32.2.1-1949)	3.00
Y32.4-1955	Graphical Symbols for Plumbing (Revision of Z32.2.2-1949)	1.00
Y32.7-1957	Graphical Symbols for Use on Railroad Maps and Profiles (Revision of Z32.2.5-1950)	1.50
Y32.9-1943	Architectural Plans, Graphical Electrical Symbols for	<i>Out of print</i>
Y32.10-1958	Graphical Symbols for Fluid Power Diagrams	1.50

		Price
●	Y32 — Graphical Symbols (Continued)	
	As the following standards are revised they will be assigned Y32 numbers.	
Z10g5-1933	Graphical Symbols Used for Electric Traction including Railway Signaling (AIEE 17g5-1934)	<i>Out of print</i>
Z32.2.3-1949	Pipe Fittings, Valves, and Piping, Graphical Symbols for	1.00
Z32.2.4-1949	Heating, Ventilating, and Air Conditioning, Graphical Symbols for	1.50
Z32.2.6-1950	Heat-Power Apparatus, Graphical Symbols for	1.00

Z — Miscellaneous

Z1.1-1958	†Guide for Quality Control	2.25
Z1.2-1958	†Control Chart Method of Analyzing Data	2.25
Z1.3-1958	†Control Chart Method of Controlling Quality During Production	2.50
★Z2.1-1959	†Head, Eye, and Respiratory Protection, Safety Code for	3.00

Z2 Report — The Spectral-Transmissive Properties of Plastics for Use in Eye Protection. \$1.50

48-page 8½ x 11 inch, 106 charts, 4 tables, heavy paper cover. This report was prepared by a subcommittee on Transmissive Properties of Plastics, and contains ultraviolet, luminous and infrared spectral transmissive properties and other characteristic data on many of the presently available types of plastics suitable for use in protecting the eyes in industrial and certain other operations. Much of this spectral transmissive data is new and is being presented in this report for the first time.

Z4.1-1955	†Sanitation in Places of Employment, Minimum Requirements for	50
Z4.2-1942	†Drinking Fountains, Specifications for	35
Z4.3-1935	Sanitary Privy (Supplement No. 108 to the Public Health Report)	<i>Out of print</i>
Z7.1-1942	Illuminating Engineering Nomenclature and Photometric Standards	<i>Out of print</i>
Z8-1941	†Laundry Machinery and Operations, Safety Code for	<i>Out of print</i>
Z9	†Fundamentals Relating to the Design and Operation of Exhaust Systems (Report published for comment)	<i>Out of print</i>
Z9.1-1951	†Ventilation and Operation of Open-Surface Tanks, Safety Code for	75
Z10	— See Y1, Y10, and Y32 series in the foregoing and on page 38.	
●	Z11 — Petroleum Products:	
	(Special price of series, \$32.00)	
Z11.2-1956	Saybolt Viscosimeter, Method of Test for (ASTM D88-56; AASHO T72)	30
Z11.3-1952	Cone Penetration of Lubricating Grease, Test for (ASTM D217-52T)	30
Z11.4-1957	Melting Point of Paraffin Wax, Method of Test for (ASTM D87-57)	30
Z11.5-1957	Cloud and Pour Points, Method of Test for (ASTM D97-57)	30
Z11.6-1957	Flash and Fire Points by Cleveland Open Cup, Method of Test for (ASTM D92-57) (AASHO T-48)	30

ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

	Price		Price
● Z11 — Petroleum Products (Continued)		● Z11 — Petroleum Products (Continued)	
Z11.7-1958	.30	Z11.36-1958	.30
Flash Point by Pensky-Martens Closed Tester, Method of Test for (ASTM D93-58)	.30	Test for Existence of Gum in Fuels, Method of (ASTM D381-58T)	.30
★ Z11.8-1960	.30	★ Z11.37-1960	.30
Water and Sediment by Centrifuge, Method of Test for (ASTM D96-59T)	.30	Knock Characteristics of Motor Fuels by the Motor Method, Method of Test for (ASTM D357-59)	.30
Z11.9-1956	.30	Z11.39-1943	.25
Water in Petroleum Products and Other Bituminous Materials, Method of Test for (ASTM D95-56T; AASHO T55)	.30	R1947 Viscosity-Temperature Charts for Liquid Petroleum Products (ASTM D341-43; API 533-43) (Charts A, B, C, D, and E)	.25
★ Z11.10-1960	.30	Z11.41-1952	.30
Distillation of Petroleum Products, Method of Test for (ASTM D86-59; AASHO T115)	.30	Unsulfonated Residue of Plant Spray Oils, Method of Test for (ASTM D485-52T)	.30
Z11.11-1955	.30	Z11.42-1952	.30
Distillation of Natural Gasoline, Method of Test for (ASTM D216-54)	.30	Stoddard Solvent, Specifications for (ASTM D484-52)	.30
★ Z11.13-1960	.30	★ Z11.43-1960	.30
Sulfur in Petroleum Products and Lubricants by the Bomb Method, Method of Test for (ASTM D129-58)	.30	Distillation of Plant Spray Oils, Method of Test for (ASTM D447-59T)	.30
Z11.14-1957	.30	Z11.44-1958	.30
Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter (ASTM D240-57T)	.30	Vapor Pressure of Petroleum Products (Reid Method), Method of Test for (ASTM D323-58)	.30
★ Z11.16-1960	.30	Z11.45-1953	.30
Analysis of Lubricating Grease, Methods of (ASTM D128-59)	.30	Calculating Viscosity Index, Method for (ASTM D567-53; API 540-53)	.30
Z11.17-1949	.30	Z11.46-1953	.30
Burning Quality of Kerosine, Method of Test for (ASTM D187-49)	.30	Conversion of Kinematic Viscosity to Saybolt Universal Viscosity, Method for (ASTM D446-53; API 534-53)	.30
Z11.18-1930	.30	★ Z11.47-1960	.30
R1947	.30	Ramsbottom Carbon Residue of Petroleum Products, Method of Test for (ASTM D524-59)	.30
Z11.19-1936	.30	Z11.48-1953	.30
R1947	.30	R1956 Tetraethyl Lead in Gasoline, Method of Test for (ASTM D526-53T)	.30
Z11.20-1956	.30	Z11.49-1945	.30
Saponification Number of Petroleum Products by Color-Indicator Titration, Method of Test for (ASTM D94-56T)	.30	R1949 Carbonizable Substance in White Mineral Oil (Liquid Petrolatum), Method of Test for (ASTM D565-45; API 545-45)	.30
Z11.21-1956	.30	Z11.50-1945	.30
Copper Corrosion by Petroleum Products (Copper Strip Test), Method of Test for (ASTM D130-56)	.30	R1949 Carbonizable Substances in Paraffin Wax, Method of Test for (ASTM D612-45; API 544-45)	.30
Z11.22-1949	.30	Z11.51-1943	.30
Melting Point of Petrolatum and Micro-crystalline Wax, Method of Test for (ASTM D127-49)	.30	R1958 Dropping Point of Lubricating Grease, Method of Test for (ASTM D566-42; API 543-42)	.30
Z11.23-1932	.30	Z11.52-1956	.30
R1955	.30	Oil Content of Petroleum Waxes, Method of Test for (ASTM D721-56T)	.30
Z11.24-1956	.30	Z11.53-1957	.30
Flash Point by Tag Closed Tester, Method of Test for (ASTM D56-56)	.30	Conversion of Kinematic Viscosity to Saybolt Furole Viscosity, Method for (ASTM D666-57)	.30
Z11.25-1958	.30	★ Z11.54-1960	.30
★ Z11.26-1960	.30	Ash from Petroleum Oils, Method of Test for (ASTM D482-59T)	.30
Distillation of Gas Oil and Similar Distillate Fuel Oils, Method of Test for (ASTM D158-59)	.30	Z11.55-1940	.30
Z11.28-1957	.30	Chemical Analysis for Metals in Lubricating Oils, Methods of (ASTM D811-48)	.30
Terms Relating to Petroleum, Definitions of (ASTM D288-57)	.30	★ Z11.57-1960	.30
★ Z11.29-1960	.30	Sulfated Residue, Lead, Iron, and Copper in New and Used Lubricating Oils, Methods of Test for (ASTM D810-59)	.30
Dilution of Gasoline Engine Crankcase Oils, Method of Test for (ASTM D322-58T)	.30	★ Z11.58-1960	.30
Z11.30-1952	.30	Sediment in Fuel Oil by Extraction, Method of Test for (ASTM D473-59)	.30
Precipitation Number of Lubricating Oils, Method of Test for (ASTM D91-52)	.30	Z11.59-1958	.30
Z11.31-1955	.30	Neutralization Value (Acid and Base Numbers) by Potentiometric Titration, Method of Test for (ASTM D664-58)	.30
2nd ed.		Z11.60-1957	.30
Z11.32-1955	.30	Oxidation Stability of Aviation Fuels (Potential Residue Method), Method of Test for (ASTM D873-57T)	.30
Distillation of Crude Petroleum, Method of Test for (ASTM D285-54T)	.30	Z11.61-1949	.30
Z11.33-1935	.50	Congealing Point of Pharmaceutical Petrolatums, Method of Test for (ASTM D938-49)	.30
Sampling Petroleum and Petroleum Products, Methods of (ASTM D270-53; API 528-53)	.50	Z11.62-1955	.30
Z11.35-1953	.30	Density and Specific Gravity of Hydrocarbon Liquids by the Lipkin Bicapillary Pycnometer, Test for (ASTM D941-55)	.30

★, approved since last price list; ★, not yet available; †, quantity prices apply; R, reaffirmed

	Price		Price
● Z11 — Petroleum Products (Continued)		● Z11 — Petroleum Products (Continued)	
Z11.63-1955 Oxygen Stability of Gasoline (Induction Period Method), Method of Test for (ASTM D525-55) .....	.30	Z11.84-1955 Specific Gravity of Petroleum and Its Products (Hydrometer Method), Method of Test for (ASTM D1298-55) .....	.30
Z11.64-1950 Interfacial Tension of Oil Against Water by the Ring Method, Test for (ASTM D971-50) .....	.30	Z11.85-1955 Test for Dust-Preventing Characteristics of Steam-Turbine Oil in the Presence of Water (ASTM D665-54) .....	.30
Z11.65-1950 Oxidation Stability of Lubricating Greases by the Oxygen Bomb Method, Test for (ASTM D942-50) .....	.30	Z11.86-1955 Test for Aromatic Hydrocarbons in Olefin-Free Gasolines by Silica Gel Adsorption (ASTM D936-55) .....	.30
★ Z11.66-1960 Butadiene Content of Polymerization Grade Butadiene and Butadiene Concentrate, Method of Test for (ASTM D978-59) .....	.30	Z11.87-1955 Test for Oxidation Characteristics of Inhibited Steam-Turbine Oils (ASTM D943-54) .....	.30
Z11.67-1955 Saponification Number of Petroleum Products by Potentiometric Titration, Test for (ASTM D939-54) .....	.30	Z11.88-1955 Test for Measurement of Freezing Points of High-Purity Compounds for Evaluation of Purity (ASTM D1015-55) .....	.30
★ Z11.68-1960 Sulfated Ash from New Lubricating Oils, Method of Test for (ASTM D874-59T) .....	.30	Z11.89-1955 Test for Determination of Purity from Freezing Points of High-Purity Compounds (ASTM D1016-55) .....	.50
★ Z11.69-1960 Knock Characteristics of Motor Fuels by the Research Method, Method of Test for (ASTM D908-59) .....	.30	Z11.90-1955 Test for Oxygen in Butadiene Vapors (Manganese Hydroxide Method) (ASTM D1021-55) .....	.30
Z11.70-1951 Benzene and Toluene by Ultraviolet Spectrophotometry, Test for (ASTM D1017-51) .....	.30	Z11.91-1955 Test for Sampling Liquefied Petroleum Gases (ASTM D1265-55) .....	.30
Z11.71-1958 Olefinic Plus Aromatic Hydrocarbons in Petroleum Distillates, Method of Test for (ASTM D1019-58T) .....	.30	Z11.92-1955 Test for Vapor Pressure of Liquefied Petroleum Gases (ASTM D1267-55) .....	.30
Z11.72-1958 Apparent Viscosity of Lubricating Greases, Method of Test for (ASTM D1092-58T) .....	.30	Z11.93-1956 Evaporation Loss of Lubricating Greases and Oils, Method of Test for (ASTM D972-56) .....	.30
Z11.73-1951 Sodium in Lubricating Oils and Lubricating Oil Additives, Test for (ASTM D1026-51) .....	.30	Z11.94-1957 Analysis of 60 Octane Number Isooctane-Normal Heptane ASTM Knock Test Reference Fuel Blends by Infrared Spectrophotometry, Method of Test for (ASTM D1095-54) .....	.30
★ Z11.74-1960 Acetylenes in Butadiene (Silver Nitrate Method), Method of Test for (ASTM D1020-59) .....	.30	Z11.95-1957 1, 3-Butadiene in C ₄ Hydrocarbon Mixtures by Ultraviolet Spectrophotometry, Method of Test for (ASTM D1096-54) .....	.30
Z11.75-1952 Separation of Residue from Butadiene, Test for (ASTM D1023-52) .....	.30	Z11.96-1957 Density and Specific Gravity of Liquids by Bingham Pycnometer, Method of Test for (ASTM D1217-54) .....	.30
Z11.76-1952 Nonvolatile Residue of Polymerization Grade Butadiene, Test for (ASTM D1025-52) .....	.30	Z11.97-1957 Unsaturated Light Hydrocarbons, Silver-Mercuric Nitrate, Method of Test for (ASTM D1268-55) .....	.30
Z11.77-1952 Acidity of Residue from Distillation of Gasoline and of Petroleum Solvents, Test for (ASTM D1093-52) .....	.30	Z11.98-1958 Polarographic Determination of Tetraethyl-lead in Gasoline, Method for (ASTM D1269-58) .....	.30
Z11.78-1958 Foaming Characteristics of Lubricating Oils, Test for (ASTM D892-58T) .....	.30	Z11.99-1958 Test for Effect of Copper on Oxidation Rate of Grease, Method of (ASTM D1402-58) .....	.30
★ Z11.79-1960 Butadiene Dimer and in Styrene Butadiene Concentrates, Method of Test for (ASTM D1024-59) .....	.30	★ Z11.100-1960 Analysis of Oil-Soluble Sodium Petroleum Sulfonates, Method of (ASTM D855-56) .....	.30
Z11.80-1953 Boiling Point Range of Polymerization Grade Butadiene, Method of Test for (ASTM D1088-53) .....	.30	★ Z11.102-1960 Total Inhibitor Content (p-Tertiary-Butyl-Catechol) of Butadiene, Method of Test for (ASTM D1157-59) .....	.30
★ Z11.81-1960 Carbonyl Content of Butadiene, Test for (ASTM D1089-59) .....	.30	★ Z11.103-1960 Analysis of Calcium and Barium Petroleum Sulfonates, Method of (ASTM D1216-56) .....	.30
Z11.82-1957 Water Tolerance of Aviation Fuels, Method of Test for (ASTM D1094-57) .....	.30	★ Z11.104-1960 Effect of Grease on Copper, Method of Test for (ASTM D1261-55) .....	.30
Z11.83-1956 Petroleum Measurement Tables (ASTM D1250-56) (IP 200/52) American Edition	8.75	★ Z11.105-1960 Mercaptan Sulfur in Jet Fuels (Amperometric Method), Method of Test for (ASTM D1323-56) .....	.30
* British Edition	7.00		
* Metric Edition	7.70		
Standard (Single sheet listing of Tables contained in the above three editions) .....	.30		

* Not included in specially priced series of Petroleum Products Standards or complete set of American Standards.

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	Price		Price
● Z11 — Petroleum Products (Continued)			
★ Z11.106-1960 Lead in New and Used Greases, Method of Test for (ASTM D1262-55)30		
● Z12 — Dust Explosions:			
★ Z12.1-1959 2nd ed. Pulverized-Fuel Systems, Code for the Installation and Operation of (NFPA No. 60) .....	.50		
★ Z12.2-1959 2nd ed. starch Factories, Standard for the Prevention of Dust Explosions in (NFPA No. 61A) .....	.50		
★ Z12.3-1959 Flour and Feed Mills, Code for the Prevention of Dust Explosions in (NFPA No. 61C) .....	.50		
★ Z12.4-1959 Terminal Grain Elevators, Code for the Prevention of Dust Explosions in (NFPA No. 61B) .....	.50		
★ Z12.5-1959 Woodworking Plants, Code for the Prevention of Dust Explosions in (NFPA No. 663) .....	.50		
★ Z12.6-1959 2nd ed. Pulverized Sugar and Cocoa, Standard for the Prevention of Dust Explosions in (NFPA No. 62) .....	.40		
★ Z12.7-1959 2nd ed. Coal Preparation Plants, Standard for the Prevention of Dust Explosions in (NFPA No. 653) .....	.50		
★ Z12.8-1959 Wood Flour Manufacturing Establishments, Code for the Prevention of Dust Explosions in (NFPA No. 662) .....	.35		
★ Z12.9-1959 Spice Grinding Plants, Code for the Prevention of Dust Ignitions in (NFPA No. 656) .....	.40		
★ Z12.11-1959 Manufacture of Aluminum Bronze Powder, Code for the Prevention of Dust Explosions in the (NFPA No. 651) .....	.50		
★ Z12.12-1959 Sulfur Fires and Explosions, Standard for the Prevention of (NFPA No. 655) .....	.50		
★ Z12.13-1959 Country Grain Elevators, Code for the Prevention of Dust Ignitions in (NFPA No. 64) .....	.40		
Z12.14-1943	Grain Elevators and Storage Units, Suggested Good Practices for the Application of Suction and Venting for the Control of Dust in (NFPA 661) .....	.25	
★ Z12.15-1959	Magnesium Powder or Dust, Code for Explosion and Fire Protection in Plants Producing or Handling (NFPA No. 652) .....	.40	
★ Z12.16-1959	Plastics Industry, Code for the Prevention of Dust Explosions in the (NFPA No. 654) .....	.50	
★ Z12.18-1959	Confectionery Manufacturing Plants, Code for the Prevention of Dust Explosions in (NFPA No. 657) .....	.40	
★ Z12.19-1959	Aluminum, Code for the Processing and Finishing of (NFPA No. 65) .....	.40	
●			
Z14.1-1946	See Y14, page 40.		
Z15 Series	See Y15, page 40.		
Z16.1-1954 R1959	†Method of Recording and Measuring Work Injury Experience .....	.50	
Z16.2-1951	†Compiling Industrial Accident Causes Part 1—Selection of Accident Factors Part 2—Detailed Classification of Accident Factors	1.25	
● Z21 — Gas-Burning Appliances, Approval and Installation Requirements:			
● Domestic Gas Ranges, Approval Requirements for:			
★ Z21.1.1-1959 Free Standing Units, Volume I	2.00		
★ Z21.1.2-1959 Built-In Domestic Cooking Units, Volume II	2.00		
●			
Z21.2-1949 R1957	Gas Hose for Portable Gas Appliances, Listing Requirements on	1.00	
Z21.3-1956	Hotel and Restaurant Gas Ranges and Unit Broilers, Approval Requirements for, with Addenda Z21.3a-1957 and Z21.3b-1959	2.90	
	(Z21.3a-1957 sold separately .. .40¢) (★Z21.3b-1959 sold separately .. .50¢)		
★ Z21.5-1959	Domestic Gas Clothes Dryers, Approval Requirements for	2.00	
Z21.6-1957	Domestic Gas-Fired Incinerators, Approval Requirements for, with Addenda Z21.6a-1958 and Addenda Z21.6b-1959	1.90	
	(Z21.6a-1958 sold separately .. .15¢) (★Z21.6b-1959 sold separately .. .25¢)		
Z21.8-1958	Installation of Domestic Gas Conversion Burners, Requirements for .....	.35	
★ Z21.9-1959	Hot Plates and Laundry Stoves, Approval Requirements for	2.00	
●			
● Gas Water Heaters, Approval Requirements for:			
★ Z21.10.1-1959 Gas Water Heaters (except Side-Arm Type Water Heaters) Volume I	2.00		
★ Z21.10.2-1959 Side-Arm Type Water Heaters, Volume II	2.00		
●			
Z21.11-1959	Gas-Fired Room Heaters, Approval Requirements for	2.00	
Z21.12-1957 R1955	Draft Hoods, Listing Requirements for .....	.50	
●			
● Central Heating Gas Appliances, Approval Requirements for:			
Z21.13.1-1958	Steam and Hot Water Boilers, Volume I, with Addenda Z21.13.1a-1959	2.25	
	(★Z21.13.1a-1959 sold separately .. .25¢)		
Z21.13.2-1958	Gravity and Forced Air Central Furnaces, Volume II, with addenda Z21.13.2a-1959	2.50	
	(★Z21.13.2a-1959 sold separately .. .50¢)		
★ Z21.13.3-1959 Gravity and Fan Type Floor Furnaces, Volume III	2.00		
Z21.13.4-1958	Gravity and Fan Type Vented Recessed Heaters, Volume IV, with Addenda Z21.13.4a-1959	2.20	
	(★Z21.13.4a-1959 sold separately .. .20¢)		
●			
Z21.15-1958	Manually Operated Gas Valves, Listing Requirements for, with Addenda Z21.15a-1959	2.20	
	(★Z21.15a-1959 sold separately .. .20¢)		

★, approved since last price list; ☆, not yet available; †, quantity prices apply; R, reaffirmed

	Price		Price
● Z21 — Gas Burning Appliances (Continued)			
Z21.16-1957	Gas Unit Heaters, Approval Requirements for, with Addenda Z21.16a-1958 and Z21.16b-1959	2.70	
	(Z21.16a-1958 sold separately 50¢)		
	(★Z21.16b-1959 sold separately 20¢)		
Z21.17-1958	Domestic Gas Conversion Burners, Listing Requirements for, with Addenda Z21.17a-1959	2.20	
	(★Z21.17a-1959 sold separately 20¢)		
Z21.18-1956	Domestic Gas Appliance Pressure Regulators, Listing Requirements for	1.50	
Z21.19-1942 R1953	Refrigerators Using Gas Fuel, Approval Requirements for	1.00	
Z21.20-1951 R1956	Automatic Pilots, Listing Requirements for	1.00	
Z21.21-1952 R1957	Automatic Valves for Gas Appliances, Listing Requirements for	1.00	
Z21.22-1958	Relief and Automatic Gas Shut-off Valves for Use on Water Heating Systems, Listing Requirements for	1.50	
Z21.23-1940 R1953	Gas Appliance Thermostats, Listing Requirements for . . . . .	.50	
Z21.24-1955	Metal Connectors for Gas Appliances, Listing Requirements for, with Addenda Z21.24a-1956 and Z21.24b-1959	1.30	
	(Z21.24a-1956 sold separately 10¢)		
	(★Z21.24b-1959 sold separately 20¢)		
★Z21.27-1959	Hotel and Restaurant Deep Fat Fryers, Approval Requirements for	2.00	
Z21.28-1956	Portable Gas Baking and Roasting Ovens, Approval Requirements for, with Addenda Z21.28a-1957 and Z21.28b-1959	2.90	
	(Z21.28a-1957 sold separately 40¢)		
	(★Z21.28b-1959 sold separately 50¢)		
Z21.29-1941 R1953	Furnace Temperature Limit Controls and Fan Controls, Listing Requirements for . . . . .	.50	
★Z21.30-1959	Installation of Gas Piping and Gas Appliances . . . . .	.50	
Z21.31-1956	Gas Counter Appliances, Approval Requirements for, with Addenda Z21.31a-1957 and Z21.31b-1959	2.90	
	(Z21.31a-1957 sold separately 40¢)		
	(★Z21.31b-1959 sold separately 50¢)		
Z21.33-1950 R1956	Installation of Gas-Burning Equipment in Large Boilers, Requirements for	1.00	
Z21.34-1958	Gas-Fired Duct Furnaces, Approval Requirements for, with Addenda Z21.34a-1959	2.20	
	(★Z21.34a-1959 sold separately 20¢)		
Z21.35-1945 R1953	Gum Protective Devices, Listing Requirements for . . . . .	.50	
Z21.37-1948 R1957	Dual Oven Type Combination Gas Ranges, Approval Requirements for	1.00	
Z21.38-1957	Installation of Gas Conversion Burners in Domestic Ranges, Requirements for . . . . .	.25	
Z21.39-1957	Gas Conversion Burners for Domestic Ranges, Listing Requirements for	2.00	
★Z21.40-1959	Gas-Fired Absorption Summer Air Conditioning Appliances, Approval Requirements for	2.00	
● Z22 — Motion Pictures:			
	This number is being discontinued. Standards assigned Z22 numbers are listed under the new number, PH22.		
★Z23.1-1959	Sieves for Testing Purposes, Wire Cloth Sieves, Round-Hole and Square-Hole Screens or Sieves, Specifications for (ASTM E11-58T; AASHO M92-42) . . . . .	.30	
Z24 Series	See S, page 37.		
Z25.1-1940 R1947	†Rules for Rounding Off Numerical Values . . . . .	.55	
Z26.1-1950	†Safety Glazing Materials for Glazing Motor Vehicles Operating on Land Highways, Safety Code for	1.00	
Z30.2-1953	Thermal Analysis of Steel (ASTM E14-51T) . . . . .	.30	
Z31-1933	Marking of Gold Filled and Rolled Gold Plate Articles Other Than Watchcases (CS47-34)	Out of print	
Z32 Series	See Y32 on page 40.		
★Z33.1-1959	Standard for the Installation of Blower and Exhaust Systems for Dust, Stock and Vapor Removal or Conveying (NFPA 91; NBFU 91) . . . . .	.50	
Z34.1-1947 R1959	†Practice for Certification Procedures . . . . .	.50	
★Z35.1-1959	†Industrial Accident Prevention Signs, Specifications for . . . . .	.50	★
● Z37 — Allowable Concentrations of Toxic Dusts and Gases:			
	(20% discount will be allowed on the purchase of complete Z37 series)		
Z37.1-1941	†Carbon Monoxide, Allowable Concentration of . . . . .	.35	
Z37.2-1941	†Hydrogen Sulfide, Allowable Concentration of . . . . .	.35	
Z37.3-1941	†Carbon Disulfide, Allowable Concentration of . . . . .	.35	
Z37.4-1941	†Benzene, Allowable Concentration of	Out of print	
Z37.6-1948	†Manganese, Allowable Concentration of . . . . .	.35	
Z37.7-1943	†Chromic Acid and Chromates, Allowable Concentration of . . . . .	.35	
Z37.8-1943	†Mercury, Allowable Concentration of . . . . .	.35	
Z37.10-1948	†Xylene, Allowable Concentration of . . . . .	.35	
Z37.11-1943	†Lead and Certain of Its Inorganic Compounds, Allowable Concentration of . . . . .	.35	
Z37.12-1943	†Toluene, Allowable Concentration of	Out of print	
Z37.13-1944	†Oxides of Nitrogen, Allowable Concentration of . . . . .	.35	
Z37.14-1944	†Methanol, Allowable Concentration of . . . . .	.35	
Z37.16-1944	†Formaldehyde, Allowable Concentration of	Out of print	
Z37.17-1957	†Maximum Acceptable Concentration of Carbon Tetrachloride . . . . .	.50	
Z37.18-1949	†Methyl Chloride, Allowable Concentration of	Out of print	
Z37.19-1946	†Trichloroethylene, Allowable Concentration of	Out of print	

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● **Z38 — Photography (other than Cinematography):**
This number is being discontinued. Standards assigned Z38 numbers are listed under the appropriate new numbers:— PH1, Films, Plates, and Paper; PH2, Photographic Sensitometry; PH3, Photographic Apparatus; PH4, Photographic Processing; PH5, Reproduction of Documents.

Z39.1-1943 †Reference Data and Arrangement of Periodicals (Identical in all major technical respects with ISO R8) 35
R1959

★ **Z39.4-1959** †Indexes, Basic Criteria for 80

● **Z41 — Specifications for Protective Occupational Footwear (American War Standards):**

Z41.1-1944	†Men's Safety-Toe Shoes	Out of print
Z41.3-1944	†Men's Conductive Shoes	
Z41.4-1944	†Men's Explosives - Operations (Non-sparking) Shoes	
Z41.5-1944	†Men's Electrical-Hazard Shoes	
Z41.6-1944	†Men's Foundry (Molders) Shoes	
Z41.2-1944	†Women's Safety-Toe (Oxford) Shoes	
Z41.7-1944	†Women's Safety-Toe (High) Shoes	
Z41.8-1944	†Women's Explosives - Operations (Non-sparking) Shoes	
Z41.9-1944	†Women's Conductive Shoes	

Z43-1941	†Grinding, Polishing and Buffing Equipment Sanitation .....	.75
Z48.1-1954	Marking Portable Compressed Gas Containers to Identify the Material Contained, Method for	1.15
Z49.1-1958	Welding and Cutting, Safety in	2.00
Z50.1-1947	†Bakery Equipment, Safety Code for	1.00
Z53.1-1953	†Marking Physical Hazards and the Identification of Certain Equipment, Safety Color Code for	1.35
Z54.1-1946	†Industrial Use of X-rays, Safety Code for the (American War Standard)	1.50
Z54.2-1958	Industrial Beta-Ray Sources, Safe Design and Use of (NBS Handbook 66)	20
Z55.1-1950 R1959	†Gray Finishes for Industrial Apparatus and Equipment	35
	Color Chips representing Gray Finishes according to Z55.1-1950	
	No. 24—Dark Gray	1.00
	No. 33—Medium Dark Gray	1.00
	No. 49—Medium Light Gray	1.00
	No. 61—Light Gray	1.00

Z56 Nationally Recognized Standards in State Laws and Local Ordinances \$1.00

44-page report of ASA Committee Z56 on Model Laws and Ordinances published by ASA to collect ideas and discussion on the question, "How can nationally recognized standards legally be used in state laws and local ordinances?" Points out how lack of uniformity in state and local technical requirements increases costs and reduces public safety; analyzes the need for legal methods to permit widespread use of nationally recognized standards to bring outmoded requirements up to date with new technical developments; summarizes the present status of the "adoption by reference" method; and discusses the method of making compliance with national standards *prima facie* evidence of compliance with the law.

Price	Price
Z58.1.1-1953	†Nomenclature for Radiometry and Photometry
	.35
Z58.1.2-1952	†Colorimetry, Nomenclature and Definitions in the Field of
	.50
Z58.7.1-1951	†Spectrophotometric Measurement for Color, Method of
Z58.7.2-1951	†Determination of Color Specifications, Method for
Z58.7.3-1951	†Expressing Color Specifications, Alternative Methods for
★Z60.1-1959	Nursery Stock (AAN)
Z61.1-1949	†Home Cooking and Baking Utensils, Dimensions, Tolerances, and Terminology for
Z65.1-1956	†Determining Areas in Office Buildings, Method of
Z65.2-1958	†Determining Areas in School Buildings, Method of
Z65.3-1958	†Determining Areas in Public Buildings, Method of
★Z65.4-1959	†Determining Areas in Hospitals and Related Facilities, Methods of
Z66.1-1955	†Minimize Hazards to Children from Residential Surface Coating Materials, Specifications to
Z67.1-1953	Gross Calorific Value and Net Calorific Value of Solid and Liquid Fuels, Definitions of the Terms (ASTM D407-44)
Z68.1-1956	Calorific Value of Gaseous Fuels by the Water-Flow Calorimeter, Method of Test for (ASTM D900-55)
Z69.1-1953	Specific Gravity of Gaseous Fuels, Methods of Test for (ASTM D1070-52)
Z70.1-1955	†Glass and Metal Luer Tapers for Medical Applications, Dimensions of
★Z71.1-1959	ASTM Thermometers, Specifications for (ASTM E1-58)
Z75.1-1955	†Scales for Use with Decimal-Inch Dimensioning
Z76.1-1955	Hardness Conversion Table for Cartridge Brass (Relationship between Diamond Pyramid Hardness, Rockwell Hardness, and Brinell Hardness) (ASTM E35-42)
Z76.2-1955	Hardness Conversion Tables for Steel (Relationship between Diamond Pyramid Hardness, Rockwell Hardness, and Brinell Hardness) (ASTM E48-47)
Z76.3-1955	Hardness Conversion Table for Nickel and High-Nickel Alloys (Relationship between Diamond Pyramid Hardness, Brinell Hardness, and Rockwell Hardness) (ASTM E93-52)
Z77.1-1955	Analysis of Natural Gases by the Volumetric-Chemical Method, Method for (ASTM D1136-53)
Z77.2-1955	Analysis of Natural Gases and Related Types of Gaseous Mixtures by the Mass Spectrometer, Method for (ASTM D1137-53)
Z77.3-1955	Water Vapor Content of Gaseous Fuels by Measurement of Dew-Point Temperature, Method of Test for (ASTM D1142-53)
Z77.4-1955	Sampling Natural Gas, Method of (ASTM D1145-53)

★, approved since last price list; ★, not yet available; †, quantity prices apply; R, reaffirmed

	Price
Z78.1-1957	Selected Values of Physical and Thermodynamic Properties of Hydrocarbons and Related Compounds 7.00

CS — Commercial Standards

The following Commercial Standards, promulgated by the U. S. Dept. of Commerce, have been approved by ASA:

CSB-51	Gage Blanks (American Standard B47.1-1956) 45
CS19-32	Foundry Patterns of Wood (American Standard B45.1-1932) <i>Out of print</i>
CS47-34	Marking of Gold Filled and Rolled Gold Plate Articles Other Than Watchcases (American Standard Z31-1933) <i>Out of print</i>

	Price
CS49-34	*Chip Board, Laminated Chip Board, and Miscellaneous Boards for Bookbinding Purposes <i>Out of print</i>
CS50-34	*Binders Board <i>Out of print</i>
CS51-35	*Marking Articles Made of Silver in Combination with Gold <i>Out of print</i>
CS53-35	*Colors and Finishes for Cast Stone, <i>Out of print</i>
CS54-35	*Mattresses for Hospitals <i>Out of print</i>
CS55-35	*Mattresses for Institutions <i>Out of print</i>
CS57-40	*Book Cloths, Buckrams, and Impregnated Fabrics for Bookbinding Purposes except Library Bindings <i>Out of print</i>
CS67-38	*Marking Articles Made of Karat Gold <i>Out of print</i>

* For information, write to: Commercial Standards Division, Department of Commerce, Washington, D. C.

American Safety Standards

(Special Price of Complete Set, \$80.00)

(These standards are also included in the preceding general list)

	Price
A2.1-1956	Fire Tests of Building Construction and Materials, Methods of (ASTM E119-55) .. 30
A2.2-1956	Fire Tests of Door Assemblies, Methods of (ASTM E152-55T) 30
A9.1-1953	Building Exits Code (NFPA 101; AIA 40-B-7) <i>Out of print</i>
A10.1-1951	Manual of Accident Prevention in Construction <i>Out of print</i>
A10.2-1944	†Building Construction, Safety Code for 2.00
A11.1-1952	Industrial Lighting 50
A12-1932	†Floor and Wall Openings, Railings, and Toe Boards, Safety Code for 50
A13.1-1956	Identification of Piping Systems, Scheme for the 1.00
A14.1-1959	†Portable Wood Ladders, Safety Code for .. 1.50
A14.2-1956	†Portable Metal Ladders, Safety Code for .. 50
A14.3-1956	†Fixed Ladders, Safety Code for 1.00
A17.1-1957	Elevators, Dumbwaiters, and Escalators, Safety Code for (A17.1-1955 and revisions A17.1a-1957) 4.25 (A17.1a-1957 sold separately 1.00)
A17.1.5-1953	Private Residence Elevators, Safety Code for (Included in A17.1-1957)
A17.2-1945	Elevators, Inspection of (Inspectors' Manual) 2.50
A23.1-1948	School Lighting (AIA 31-F-28) <i>Out of print</i>
★A39.1-1959	†Window Cleaning, Safety Code for 1.00
A85.1-1956	†Protective Lighting, Practice for 50
A90.1-1949 R1956	Manlifts, Safety Code for 1.00
B7.1-1956	Use, Care, and Protection of Abrasive Wheels, Safety Code for the 1.00
BB-1932	†Protection of Industrial Workers in Foundries, Safety Code for ..... .35
B9.1-1958	Mechanical Refrigeration, Safety Code for (ASRE 15-58) 1.00
★B11.1-1960	†Power Presses Safety Code for ☆
	B13-1924
	Logging and Sawmill Safety Code (NBS Handbook H5) <i>Out of print</i>
	B15.1-1953 R1958
	Mechanical Power-Transmission Apparatus, Safety Code for 2.00
	B19-1938
	Compressed Air Machinery and Equipment, Safety Code for <i>Out of print</i>
	B20.1-1957
	Conveyors, Cableways, and Related Equipment, Safety Code for 1.50
	B24.1-1952 R1959
	Forging and Hot Metal Stamping, Safety Code for 1.00
	B28.1-1949 R1959
	†Mills and Calenders in the Rubber Industry, Safety Code for 2.00
	B30.1-1943 R1952
	Jacks, Safety Code for 1.00
	B30.2-1943 R1952
	Cranes, Derricks, and Hoists, Safety Code for 2.50
	B31.1-1955
	Code for Pressure Piping 3.50 (Current except for Sections on Refinery and Oil Transportation Piping which are listed below.)
	★B31.3-1959
	Petroleum Refinery Piping (Partial Revision of B31.1-1955) 4.00
	★B31.4-1959
	Oil Transportation Piping (Partial Revision of B31.1-1955) 2.50
	B31.8-1958
	Gas Transmission and Distribution Piping Systems (Revision of B31.1.8-1955) 2.50
	★B56.1-1959
	Powered Industrial Trucks, Safety Code for 1.50
	B57.1-1957
	Compressed Gas Cylinder Valve Outlet and Inlet Connections (CGA V-1) 1.50
	B65.1-1954
	†Controls and Signaling Devices for Graphic Arts Presses, Safety Code for ..... .50
	★C1-1959
	National Electrical Code: Paper Bound Edition, 4 1/4 x 7 1/4 in., NFPA 70 1.00 Pocket Edition, 4 1/4 x 6 1/2 in., NBFU 70 ..... .25

ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

		Price	Price	S A F E T Y
●	C2 — National Electrical Safety Code (NBS Handbook H30):			
C2.1-1941 R1947	Installation and Maintenance of Electrical Supply Stations, Safety Rules for the (NBS Handbook H31)			
C2.2-1941 R1947	Installation and Maintenance of Electric Supply and Communication Lines, Safety Rules for the (NBS Handbook H32)			
C2.3-1941 R1947	Installation and Maintenance of Electric Utilization Equipment, Safety Rules for the (NBS Handbook H33)	2.25		
C2.4-1939 R1947	Operation of Electric Equipment and Lines, Safety Rules for the (NBS Handbook H34)			
C2.5-1940 R1947	Radio Installations, Safety Rules for (NBS Handbook H35)			
●	C5 — Protection Against Lightning, Code for (NFPA 78):			
★ C5.1-1959	Part I, Protection of Persons			
★ C5.2-1959	Part II, Protection of Buildings and Miscellaneous Property	50		
★ C5.3-1959	Part III, Protection of Structures Containing Flammable Liquids and Gases			
●				
C33.1-1957	Flexible Cord and Fixture Wire, Safety Standard for (UL 62) .....	.75		
C33.2-1956	Transformer-Type Arc-Welding Machines, Safety Standard for (UL 551) .....	.75		
C33.3-1957	Cord Sets and Power-Supply Cords, Safety Standard for (UL 817) .....	.50		
C33.4-1958	Specialty Transformers, Safety Standard for (UL 506) .....	.75		
C33.5-1956	Wire Connectors and Soldering Lugs, Safety Standard for (UL 486) .....	.75		
C33.6-1957	Rubber-Covered Wires and Cables, Safety Standard for (UL 44) .....	.75		
C33.7-1957	Electrically Heated Pads and Bedding, Safety Standard for (UL 130) .....	.75		
C33.8-1957	Grounding and Bonding Equipment, Safety Standard for (UL 467) .....	.50		
C33.9-1959	Armored Cable, Safety Standards for (UL 4) .....	.75		
D6.1-1955	Manual on Uniform Traffic Control Devices for Streets and Highways, with Supplement	1.25		
D7.1-1956	†Inspection Requirements for Motor Vehicles	1.00		
D8.1-1956	Railroad Highway Grade Crossing Protection (AAR Bulletin 5) .....	.50		
D10.1-1958	Adjustable Face Traffic Control Signal Head Standards (ITE Technical Report 1-1958) .....	.50		
D11.1-1958	Pre-Timed, Fixed Cycle, Traffic Signal Controllers (ITE Technical Report 2-1958) .....	.50		
D12.1-1953	Street and Highway Lighting .....	.50		
D13.1-1958	Traffic-Actuated, Traffic Signal Controllers and Detectors, Specifications for (ITE Technical Report 3-1958) .....	.50		
●				
●	J6 — Specifications for Rubber Protective Equipment for Electrical Workers:			
J6.1-1950	Rubber Insulating Line Hose (ASTM D1050-49T)			
J6.2-1950	Rubber Insulator Hoods (ASTM D1049-49T)			
J6.4-1950	Rubber Insulating Blankets (ASTM D1048-49T) .....			.75
J6.5-1950	Rubber Insulating Sleeves (ASTM D1051-49T)			
J6.6-1952	Rubber Insulating Gloves, Specifications for (ASTM D120-52T)			
J6.3-1945	†Leather Protective Gloves (American War Standard) .....			.55
●				
K13.1-1950	†Identification of Gas-Mask Canisters, Safety Code for		<i>Out of print</i>	
L1.1-1956	†Textile Safety Code .....			.75
●				
●	L18 — Specifications for Protective Occupational (Safety) Clothing (American War Standards):			
L18.1-1944	†Leather Aprons			
L18.2-1944	†Cape Sleeves and Bibs			
L18.3-1944	†Knee-Length Leggings			
L18.4-1944	†Leather Coats			
L18.5-1944	†Leather Overalls			
L18.6-1944	†Leather Sleeves			
L18.7-1944	†Welders' Leather Gauntlet Gloves			
L18.8-1944	†Protective Leather Gloves, Steel-Stapled			
L18.9-1944	†Asbestos Gloves			
L18.10-1944	†Asbestos Gloves, Leather Reinforced			
L18.11-1944	†Asbestos Mittens			
L18.12-1944	†Asbestos Mittens, Leather Reinforced			
L18.14-1944	†Asbestos Aprons (Bib Type)			
L18.15-1944	†Asbestos Cape Sleeves and Bibs			
L18.16-1944	†Asbestos Leggings (Knee and Hip Length)			
L18.17-1944	†Asbestos Coats			
L18.18-1945	†Leather One-Finger Mittens			
L18.19-1945	†Leather Mittens			
L18.20-1945	†Asbestos One-Finger Mittens			
L18.21-1945	†Flame-Resistant Fabric Aprons (Bib Type)			
L18.22-1945	†Flame-Resistant Fabric Leggings (Knee and Hip Length)			
L18.23-1945	†Flame-Resistant Fabric Coats			
L18.24-1945	†Flame-Resistant Fabric Pants			
L18.25-1945	†Flame-Resistant Fabric Coveralls			
L18.26-1945	†Flame-Resistant Fabric Spats			
L18.27-1945	†Leather Spats			
L18.28-1945	†Asbestos Spats			
L18.29-1945	†Chemical-Resistant Gloves			
●				
M2.1-1951	Installing and Using Electrical Equipment in Coal Mines, Safety Rules for (BMTP 402)			

Out of print

★, approved since last price list; ★, not yet available; †, quantity prices apply; R, reaffirmed

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	Price
M11-1927	Wire Rope for Mines <i>Out of print</i>
M12.1-1946 R1958	†Construction and Maintenance of Ladders and Stairs for Mines 50
M13-1925 R1942	†Rock-Dusting Coal Mines to Prevent Coal Dust Explosions 35
M24-1932	†Installing and Using Electrical Equipment in Metal Mines, Safety Rules for. <i>Out of print</i>
M28.1-1955	†Safety Procedures for Quarries 1.50
O1.1-1954	†Woodworking Machinery, Safety Code for 1.00
P1.1-1956	†Pulp and Paper Mills, Safety Standard for. 1.00
★Z2.1-1959	†Head, Eye, and Respiratory Protection, Safety Code for 3.00

Z2 Report — The Spectral-Transmissive Properties of Plastics for Use in Eye Protection \$1.50

48-page 8½ x 11 inch, 106 charts, 4 tables, heavy paper cover. This report was prepared by a subcommittee on Transmissive Properties of Plastics, and contains ultraviolet, luminous and infrared spectral transmissive properties and other characteristic data on many of the presently available types of plastics suitable for use in protecting the eyes in industrial and certain other operations. Much of this spectral transmissive data is new and is being presented in this report for the first time.

Z4.1-1955	†Sanitation in Places of Employment, Minimum Requirements for 50
Z4.2-1942	†Drinking Fountains, Specifications for 35
Z4.3-1935	Sanitary Privy (Supplement 108 to the Public Health Reports) <i>Out of print</i>
Z8-1941	†Laundry Machinery and Operations, Safety Code for <i>Out of print</i>
Z9	†Fundamentals Relating to the Design and Operation of Exhaust Systems (Report published for comment) <i>Out of print</i>
Z9.1-1951	†Ventilation and Operation of Open-Surface Tanks, Safety Code for 75

● Z12 — Dust Explosions:

★Z12.1-1959 2nd ed.	Installation and Operation of Pulverized-Fuel Systems, Code for the (NFPA 60) (Revision of Z12.1-1957 and Z12.17-1946). 50
★Z12.2-1959 2nd ed.	Starch Factories, Standard for the Prevention of Dust Explosions in (NFPA 61A) 50
★Z12.3-1959	Flour and Feed Mills, Code for the Prevention of Dust Explosions in (NFPA No. 61C) 50
★Z12.4-1959	Terminal Grain Elevators, Code for the Prevention of Dust Explosions in (NFPA No. 61B) 50
★Z12.5-1959	Woodworking Plants, Code for the Prevention of Dust Explosions in (NFPA No. 663) 50
★Z12.6-1959 2nd ed.	Pulverized Sugar and Cocoa, Standard for the Prevention of Dust Explosions in (NFPA No. 62) 40

	Price
● Z12 — Dust Explosions (Continued)	
★Z12.7-1959 2nd ed.	Coal Preparation Plants, Standard for the Prevention of Dust Explosions in (NFPA No. 653) 50
★Z12.8-1959	Wood Flour Manufacturing Establishments, Code for the Prevention of Dust Explosions in (NFPA No. 662) 35
★Z12.9-1959	Spice Grinding Plants, Code for the Prevention of Dust Ignitions in (NFPA No. 656) 40
★Z12.11-1959	Manufacture of Aluminum Bronze Powder, Code for the Prevention of Dust Explosions in the (NFPA No. 651) 50
★Z12.12-1959	Sulfur Fires and Explosions, Standard for the Prevention of (NFPA No. 655) 50
★Z12.13-1959	Country Grain Elevators, Code for the Prevention of Dust Ignitions in (NFPA No. 64) 40
Z12.14-1943	Grain Elevators and Storage Units, Suggested Good Practices for the Application of Suction and Venting for the Control of Dust in (NFPA 661) 25
★Z12.15-1959	Magnesium Powder or Dust, Code for Explosion and Fire Protection in Plants Producing or Handling (NFPA No. 652) 40
★Z12.16-1959	Plastics Industry, Code for the Prevention of Dust Explosions in the (NFPA No. 654) 50
★Z12.18-1959	Confectionery Manufacturing Plants, Code for the Prevention of Dust Explosions in (NFPA No. 657) 40
★Z12.19-1959	Aluminum, Code for the Processing and Finishing of (NFPA No. 65) 40
●	
Z16.1-1954 R1959	†Recording and Measuring Work Injury Experience, Method of 50
Z16.2-1941	†Compiling Industrial Accident Causes Part 1—Selection of Accident Factors Part 2—Detailed Classification of Accident Factors 1.25
Z20.3-1957	Places of Outdoor Assembly, Grandstands and Tents (NFPA 102) 50
★Z21.30-1959	Installation of Gas Piping and Gas Appliances in Buildings 50
Z24.22-1957	†Measurement of the Real-Ear Attenuation of Ear Protectors at Threshold, Method for the 50

Z24-X2 The Relations of Hearing Loss to Noise Exposure \$1.50

64 pp, 6 x 9 in., 18 figures, 8 tables, heavy paper cover. This report by Exploratory Subcommittee Z24-X-2 of Sectional Committee Z24 on Acoustics, Vibration, and Mechanical Shock analyzes the noise problem. Representing one of the most comprehensive surveys ever made, it tells what factors enter into industrial loss of hearing; how much certain types of noise affect hearing; what allowance to make for recovery of hearing after noise exposure; what loss of hearing to expect of different age groups.

Z26.1-1950	†Safety Glazing Materials for Glazing Motor Vehicles Operating on Land Highways, Safety Code for 1.00
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ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

	Price	Price	S A F E T Y
★Z33.1-1959	Standard for the Installation of Blower and Exhaust Systems for Dust, Stock, and Vapor Removal or Conveying (NFPA 91; NBFU 91)50	
★Z35.1-1959	†Industrial Accident Prevention Signs, Specifications for	★	
●Z37 — Allowable Concentration of Toxic Dusts and Gases:			
Z37.1-1941	†Carbon Monoxide, Allowable Concentration of .....	.35	
Z37.2-1941	†Hydrogen Sulfide, Allowable Concentration of .....	.35	
Z37.3-1941	†Carbon Disulfide, Allowable Concentration of .....	.35	
Z37.4-1941	†Benzene, Allowable Concentration of	Out of print	
Z37.6-1948	†Manganese, Allowable Concentration of .....	.35	
Z37.7-1943	†Chromic Acid and Chromates, Allowable Concentration of .....	.35	
Z37.8-1943	†Mercury, Allowable Concentration of .....	.35	
Z37.10-1948	†Xylene, Allowable Concentration of .....	.35	
Z37.11-1943	†Lead and Certain of Its Inorganic Compounds, Allowable Concentration of .....	.35	
Z37.12-1943	†Toluene, Allowable Concentration of	Out of print	
Z37.13-1944	†Oxides of Nitrogen, Allowable Concentration of .....	.35	
Z37.14-1944	†Methanol, Allowable Concentration of .....	.35	
Z37.16-1944	†Formaldehyde, Allowable Concentration of	Out of print	
Z37.17-1957	†Maximum Acceptable Concentration of Carbon Tetrachloride .....	.50	
Z37.18-1949	†Methyl Chloride, Allowable Concentration of	Out of print	
Z37.19-1946	†Trichloroethylene, Allowable Concentration of	Out of print	
●Z41 — Specifications for Protective Occupational Footwear (American War Standards):			
Z41.1-1944	†Men's Safety-Toe Shoes		
Z41.3-1944	†Men's Conductive Shoes		
Z41.4-1944	†Men's Explosives-Operations (Non-sparking) Shoes .....	.75	
Z41.5-1944	†Men's Electrical-Hazards Shoes		
Z41.6-1944	†Men's Foundry (Molders) Shoes		
●Z41 — Specifications for Protective Footwear			
Z41.2-1944	†Women's Safety-Toe (Oxford) Shoes		
Z41.7-1944	†Women's Safety-Toe (High) Shoes		
Z41.8-1944	†Women's Explosives-Operations (Non-sparking) Shoes		
Z41.9-1944	†Women's Conductive Shoes		
Z43-1941	†Grinding, Polishing, and Buffing Equipment Sanitation .....	.75	
Z48.1-1954	Portable Compressed Gas Containers to Identify the Material Contained, Method for Marking .....	.15	
Z49.1-1958	Welding and Cutting, Safety in	2.00	
Z50.1-1947	†Bakery Equipment, Safety Code for	1.00	
Z53.1-1953	†Marking Physical Hazards and the Identification of Certain Equipment, Safety Color Code for	1.35	
Z54.1-1946	†Industrial Use of X-Rays, Safety Code for the (American War Standard)	1.50	
Z54.2-1958	Industrial Beta-Ray Sources, Safe Design and Use of (NBS Handbook 66)	20	
Z66.1-1955	†Minimize Hazards to Children from Residential Surface Coating Materials, Specifications to .....	.35	

PM87.1 American Safety Standards.....Out of print

More than 160 American Safety Standards, many widely used in industry and some incorporated in government regulations, are listed and described in this booklet. A brief commentary on each standard tells what the standard covers and outlines its requirements or recommendations. A comprehensive subject index makes it possible to locate any subject covered in any of the standards quickly and easily. In addition to approved American Safety Standards, the booklet also includes a list of safety standards under development.

American Standards on Consumer Goods

(Special Price of Complete Set \$65.00)

(These standards are also included in the preceding general list)

A14.1-1959	†Portable Wood Ladders, Safety Code for ..	1.50	●C5 — Protection Against Lightning, Code for (NFPA 78):
A14.2-1956	†Portable Metal Ladders, Safety Code for ..	.50	★C5.1-1959 Part I, Protection of Persons
B38.1-1955	†Food-Storage Volume and Shelf Area of Automatic Household Refrigerators, Method of Computing .....	.35	★C5.2-1959 Part II, Protection of Buildings and Miscellaneous Property
★B38.2-1959	†Household Electric Refrigerators (Mechanically Operated), Test Procedures for (NEMA HRF2-1955) .....	.75	★C5.3-1959 Part III, Protection of Structures Containing Flammable Liquids and Gases
B38.3-1955	Methods of Rating and Testing Home Freezers .....	.50	●C18.1-1959 Dry Cells and Batteries, Specifications for (NBS Handbook 71)
★C1-1959	National Electrical Code (NFPA 70)	1.00	C76.1-1953 Household Automatic Electric Flatirons (NEMA DAI-1954)

★, approved since last price list; ★, not yet available; †, quantity prices apply; R, reaffirmed

CONSUMER GOODS

C O N S U M E R	Price	Price
C C71.1-1950 Household Electric Ranges (NEMA ERI-1950) 90	Price	● Photography PH1.28-1957 †Photographic Films for Permanent Records, Specifications for (Revision of Z38.3.2-1945) 50
O C72.1-1949 Household Automatic Electric Storage-Type Water Heaters (NEMA WHI-1949) 90		PH1.31-1958 †Brittleness of Photographic Film, Method for Determining the 80
N C91.1-1958 Residential Wiring, Requirements for (AIA 31-C-61) 25		PH2.7-1955 †Photographic Exposure Computer (Special quantity discount apply) 1.50
S K60.6-1956 Milled Toilet Soap, Specifications for, (ASTM D455-55) 30		PH2.12-1957 †General-Purpose Photographic Exposure Meters (Revision of Z38.2.6-1948) 75
U K60.12-1958 Trisodium Phosphate, Specifications for, (ASTM D538-57T) 30		PH3.13-1958 †Focal Length Marking of Lenses (Revision of Z38.4.4-1942) 35
M L4.1-1948 †Bleached Cotton Bed Sheets and Pillow-cases, Specifications for 35		PH3.27-1949 R1957 †Lantern Slide Projectors, Specifications for (Reaffirmation of Z38.7.14-1949) 35
E L11.1-1941 †Body Sizes for Boys' Garments 35		PH3.28-1945 R1957 †Slidefilm Projectors, Specifications for, (Reaffirmation of Z38.7.15-1945) 35
R		PH3.29-1958 †Apertures and Related Quantities Pertaining to Photographic Lenses, Methods of Designating and Measuring 35
G ● L12 — Definitions (Including Tolerances) for Filling Materials for Bedding and Upholstery:		PH3.31-1958 †Photographic Enlargers, Methods for Testing (Revision of Z38.7.6-1950) 50
O L12.1-1946 †Cotton 50		★PH3.32-1959 †Exposure-Time Markings for Shutters Used in Still Cameras (Revision of PH3.3 and PH3.5-1952) 35
O L12.2-1946 †Wool 50		★PH3.33-1959 †Aperture Markings for Still Camera Lenses (Revision of Z38.4.7-1950) 35
D L12.4-1946 †Miscellaneous 50		★PH3.34-1959 †Projectors for Opaque Materials, Specifications for (Revision of Z38.7.4-1944) 35
S L14.12-1957 Terms Relating to Textile Materials, Definitions of (ASTM D123-55) 60		PH4.6-1953 †Converting Weights and Measures for Photographic Use, Method for 35
★L14.14-1959 Testing Sewing Threads, Methods of (ASTM D204-57T) 30		PH4.7-1958 †Photographic Thermometers 35
L14.56-1956 †Colorfastness to Perspiration (AATCC 15-52) 35		PH4.25-1958 †Photographic Laboratory Spring-Driven Timers, Specification for 35
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L22.1.1- through L22.1.24-1952 †Part I, Women's and Girls' Rayon and Acetate Wearing-Apparel Fabrics 1.00 (Part I and Test Methods) \$3.00		Z38.7.5-1948 †Printing and Projection Equipment, Methods of Testing 35
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L22.3.1- through L22.3.11-1952 †Part III, Rayon and Acetate Home-Furnishings Fabrics65 (Part III and Test Methods) \$2.65		Z38.8.6-1949 †Photographic Processing Manipulation of Paper, Practice for 50
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†Part V, Test Methods 2.75		● Z21.2-1949 R1957 Gas Hose for Portable Gas Appliances, Listing Requirements on 1.00
● Photography		
PH1.28-1957 †Brittleness of Photographic Film, Method for Determining the 80		
PH1.31-1958 †Photographic Exposure Computer (Special quantity discount apply) 1.50		
PH2.7-1955 †Photographic Exposure Computer (Special quantity discount apply) 1.50		
PH2.12-1957 †General-Purpose Photographic Exposure Meters (Revision of Z38.2.6-1948) 75		
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PH3.29-1958 †Apertures and Related Quantities Pertaining to Photographic Lenses, Methods of Designating and Measuring 35		
PH3.31-1958 †Photographic Enlargers, Methods for Testing (Revision of Z38.7.6-1950) 50		
★PH3.32-1959 †Exposure-Time Markings for Shutters Used in Still Cameras (Revision of PH3.3 and PH3.5-1952) 35		
★PH3.33-1959 †Aperture Markings for Still Camera Lenses (Revision of Z38.4.7-1950) 35		
★PH3.34-1959 †Projectors for Opaque Materials, Specifications for (Revision of Z38.7.4-1944) 35		
PH4.6-1953 †Converting Weights and Measures for Photographic Use, Method for 35		
PH4.7-1958 †Photographic Thermometers 35		
PH4.25-1958 †Photographic Laboratory Spring-Driven Timers, Specification for 35		
★PH5.1-1959 †Microfilm Readers for 16mm and 35mm Film on Reels, Specifications for (Revision of Z38.7.9-1946) 35		
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★Z21.1.1-1959 Free Standing Units, Volume I 2.00		
★Z21.1.2-1959 Built-In Domestic Cooking Units, Volume II 2.00		
Z21.2-1949 R1957 Gas Hose for Portable Gas Appliances, Listing Requirements on 1.00		
★Z21.5-1959 Domestic Gas Clothes Dryers, Approval Requirements for 2.00		
Z21.6-1957 Domestic Gas-Fired Incinerators, Approval Requirements for, with Addenda Z21.6a-1958 and Addenda Z21.6b-1959 1.90		
(Z21.6a-1958 sold separately 15¢) (★Z21.6b-1959 sold separately 25¢)		
Z21.8-1958 Installation of Domestic Gas Conversion Burners, Requirements for 35		
★Z21.9-1959 Hot Plates and Laundry Stoves, Approval Requirements for 2.00		

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● Gas Water Heaters, Approval Requirements for:		
★Z21.10.1-1959 Gas Water Heaters (except Side-Arm Type Water Heaters) Volume I.....	2.00	
★Z21.10.2-1959 Side-Arm Type Water Heaters, Volume II	2.00	
★Z21.11-1959 Gas-Fired Room Heaters, Approval Requirements for	2.00	
Z21.12-1937 Draft Hoods, Listing Requirements for... R1955	.50	
● Central Heating Gas Appliances, Approval Requirements for:		
Z21.13.1-1958 Steam and Hot Water Boilers, Volume I with Addenda Z21.13.1a-1959.....	2.25	
(★Z21.13.1a-1959 sold separately...25¢)		
Z21.13.2-1958 Gravity and Forced Air Central Furnaces, Volume II, with Addenda Z21.13.2a-1959 2.50		
(★Z21.13.2a-1959 sold separately..50¢)		
★Z21.13.3-1959 Gravity and Fan Type Floor Furnaces, Volume III	2.00	
Z21.13.4-1958 Gravity and Fan Type Vented Recessed Heaters, Volume IV with Addenda Z21.13.4a-1959	2.20	
(★Z21.13.1a-1959 sold separately...20¢)		
●		
Z21.16-1957 Gas Unit Heaters, Approval Requirements for, with Addenda Z21.16a-1958 and Z21.16b-1959	2.70	
(Z21.16a-1958 sold separately....50¢)		
(★Z21.16b-1959 sold separately...20¢)		
Z21.17-1958		
Domestic Gas Conversion Burners, Listing Requirements for, with Addenda Z21.17a-1959	2.20	
(★Z21.17a-1959 sold separately...20¢)		
Z21.19-1942 R1953		
Refrigerators Using Gas Fuel, Approval Requirements for	1.00	
Z21.24-1955		
Metal Connectors for Gas Appliances, Listing Requirements for, with Addenda Z21.24a-1956 and Z21.24b-1959	1.30	
(Z21.24a-1956 sold separately....10¢)		
(★Z21.24b-1959 sold separately...20¢)		
Z21.28-1956		
Portable Gas Baking and Roasting Ovens, Approval Requirements for, with Addenda Z21.28a-1957 and Z21.28b-1959	2.90	
(Z21.28a-1957 sold separately....40¢)		
(★Z21.28b-1959 sold separately....50¢)		
★Z21.30-1959		
Installation of Gas Piping and Gas Appliances in Buildings .....	.50	
Z21.37-1948 R1957		
Dual Oven Type Combination Gas Ranges, Approval Requirements for	1.00	
Z21.38-1957		
Installation of Gas Conversion Burners in Domestic Ranges, Requirements for ...	.25	
Z21.39-1957		
Gas Conversion Burners for Domestic Ranges, Listing Requirements for	2.00	
★Z21.40-1959		
Gas-Fired Absorption Summer Air Conditioning Appliances, Approval Requirements for	2.00	
★Z60.1-1959		
Nursery Stock (AAN)50	
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†Home Cooking and Baking Utensils, Dimensions, Tolerances, and Terminology for35	

 CONSUMER
GOODS

What Is the American Standards Association

The American Standards Association (ASA) is the national clearinghouse and coordinating agency for voluntary standards in the United States. ASA is a federation of 122 trade associations and professional societies. It has more than 2,000 company members. Founded in 1918 by five engineering societies to coordinate the development of national standards, ASA in 1948 was incorporated under the laws of the State of New York as a non-profit organization.

Financial support of ASA, like the development and use of American Standards, is voluntary. ASA's income is derived mainly from membership fees and the sale of American Standards. However, ASA's facilities are available to all comers—members and nonmembers alike.

The main functions of ASA are:

1. To provide systematic means for the development of American Standards
2. To promote the development and use of national standards in the United States
3. To approve standards as American Standards provided they are accepted by a consensus of all national groups substantially concerned with their scope and provisions
4. To coordinate standardization activities in the United States
5. To serve as a clearinghouse for information on American and foreign standards
6. To represent American interests in international standardization work

ASA in the International Field

The ISO: The American Standards Association is the U.S. Member Body of the International Organization for Standardization (ISO). The ISO has 44 national standards bodies as its world members. The technical program conducted by the ISO offers either participation or observer status to each of its members in accordance with a nation's interest in any given project field.

The PASC: The ASA is a member of the Pan American Standards Committee recently created to foster inter-American standardization.

The IEC: The ASA is also a member of the International Electrotechnical Commission (IEC) which has been in existence since 1904. The U.S. National Committee of the IEC has administrative and technical affiliation with the American Standards Association. Since 1947 the IEC has been affiliated with the ISO as a technical division. The object of the IEC is to facilitate the co-ordination and unification of national electrotechnical standards and to coordinate the activities of other international organizations in this field.

ISO Recommendations

The following publications of the International Organization for Standardization are available from the American Standards Association.

ISO No.	Price	ISO No.	Price
R1 Standard Reference Temperature for Industrial Length Measurements (1954).....	.60	R15 Ball and Roller Bearings (1955) (Corresponds to American Standard B3.5-1951).....	4.80
R2 Designation of the Direction of Twist in Textile Yarns (1954) .....	.60	R16 Standard Tuning Frequency (Standard Musical Pitch) (1955) (Embodyed in American Standard Z24.1-1951) .....	.60
R3 Preferred Numbers—Series of Preferred Numbers (1954) (Embodyed in American Standard Z17.1-1958)	1.20	R17 Guide to the Use of Preferred Numbers and of Series of Preferred Numbers (1956) (Embodyed in American Standard Z17.1-1958).....	1.80
R4 International Code for the Abbreviation of Titles of Periodicals (1954) .....	.60	R18 Short Contents List of Periodicals or Other Documents (1956) .....	.60
R5 Diffuse Transmission Density (Photography) (1955) (Embodyed in American Standard PH2.19-1959)	2.70	R19 Shipbuilding Details for Sea Navigation—Deck Bolts (1956) .....	.60
R6 Method for Determining Photographic Speed and Exposure Index (1955) (Embodyed in American Standard PH2.5-1954)	1.80	R20 Shipbuilding Details for Inland Navigation—Rivets for Hatches (1956).....	.60
R7 Pipe Threads for Gas Line Tubes and Screwed Fittings Where Pressure-Tight Joints Are Made on the Threads (1/8 Inch to 6 Inches) (1955)...	1.80	R21 Shipbuilding Details for Inland Navigation—Sprocket Wheels (1956) .....	.60
R8 Layout of Periodicals (1955) (Identical in all major technical respects with American Standard Z39.1-1943, R1959).....	1.20	R22 Widths of Flat Transmission Belts and Corresponding Pulleys (1956).....	.60
R9 International System for the Transliteration of Cyrillic Characters (1955)	1.20	R23 Emulsion and Sound Record Positions in Camera—For 35mm Sound Motion Picture Film (1956) (Embodyed in American Standard PH22.2-1954) .....	.60
R10 Aircraft Connection for Ground Air-Conditioning (1955) .....	.60	R24 Emulsion and Sound Record Positions in Projector—For 35mm Sound Motion Picture Film (1956) (Embodyed in American Standard PH22.3-1954) .....	.60
R11 Aircraft Pressure Cabin Ground Test Connection (1955)	1.20	R25 Emulsion Position in Camera—For 16mm Silent Motion Picture Film (1956) (Embodyed in American Standard PH22.9-1956) .....	.60
R12 Identification of Aircraft Pipelines (1955).....	1.80	R26 Emulsion Position in Projector for Direct Front Projection of 16mm Silent Motion Picture Film (1956) (Embodyed in American Standard PH22.10-1956) .....	.60
R13 Cast Iron Pipes, Special Castings and Cast Iron Parts for Pressure Main Lines (1955).....	6.60		
R14 Straight-Sided Splines (for Cylindrical Shafts), Nominal Dimensions in Millimeters (1955)...	.60		

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ISO No.	Price	ISO No.	Price
R27 Emulsion and Sound Record Positions in Camera—For 16mm Sound Motion Picture Film (1956) (Embodyed in American Standard PH22.15-1955)60	R51 Shipbuilding Details for Inland Navigation Pipe Lines for the Transport of Combustible Liquids Nominal Diameters (1957)60
R28 Emulsion Position in Camera—For 8mm Silent Motion Picture Film (1956) (Embodyed in American Standard PH22.21-1953) .....	.60	R52 Grooved Pulleys for V-Belts Groove Sections A, B, C, D, E (1957)	1.20
R29 Emulsion Position in Projector for Direct Front Projection of 8mm Silent Motion Picture Film (1956) (Embodyed in American Standard PH22.22-1953) .....	.60	R53 Basic Rack of Cylindrical Gears for General Engineering (1957) .....	.60
R30 Bibliographical Strip (1956) .....	.60	R54 Modules and Diametral Pitches of Cylindrical Gears for General Engineering (1957) .....	.60
R31 Fundamental Quantities and Units of the Mksa System and Quantities and Units of Space and Time (1956)	1.80	R58 Substances of Paper (1958) .....	.60
Part I Quantities and Units of Periodic and Related Phenomena (1958)	1.20	R59 Plastics, Determination of the Percentage of Acetone Soluble Matter in Phenolic Mouldings (1958) .....	.60
R32 Identification of Medical Gas Cylinders (1957)	1.50	R60 Plastics, Determination of Apparent Density of Moulding Material that can be Poured from a Specified Funnel (1958) .....	.60
R33 Du Pont Constant Load Method of Measuring Abrasion Resistance of Vulcanized Natural and Synthetic Rubbers (1957)	1.20	R61 Plastics, Determination of Apparent Density of Moulding Material that cannot be Poured from a Specified Funnel (1958) .....	.60
R34 Determination of Tear Strength of Vulcanized Natural and Synthetic Rubbers (Crescent Test Piece) (1957)	1.20	R62 Plastics, Determination of Water Absorption (1958) .....	.60
R35 Determination of the Mechanical Stability of Latex (1957) .....	.60	R63 Lengths of Flat Transmission Belts (1958) .....	.60
R36 Determination of the Adhesion of Vulcanized Natural or Synthetic Rubbers to Textile Fabrics (1957) .....	.60	R64 Steel Tubes Outside Diameters (1958) .....	.60
R37 Determination of Tensile Stress-Strain Properties of Vulcanized Natural and Synthetic Rubbers (1957)	1.20	R65 Steel Tubes Suitable for Screwing in Accordance with ISO Recommendation R7 (1958)	1.20
R38 Shipbuilding Details for Sea Navigation—Bollards (Vertical Type) with and without Lugs (1957) .....	.60	R67 Muscovite Mica Blocks, Thins and Films, Methods for Grading by Size (1958) (Embodyes portions of American Standards C59.27-1957 and C59.26-1958)	2.10
R39 Shipbuilding Details for Sea Navigation—Anchor Chains—Lugless Joining Shackles, Kenter Type (1957) .....	.60	R68 Screw Threads (1958)	1.20
R40 Shipbuilding Details for Sea Navigation and Inland Navigation—Anchor Chains—Studless Links (1957) .....	.60	R69 Dimensions for 16mm Motion-Picture Film with Perforations Along One and Two Edges (1958) (Embodyed in American Standards PH22.5-1953 and PH22.12-1953) .....	.60
R41 Shipbuilding Details for Inland Navigation—Covers for Deck Openings for 220mm Pumps (1957) .....	.60	R70 Photographic Sound Record on 35mm Prints (1958) (Embodyed in American Standard PH22.40-1957) .....	.60
R42 Shipbuilding Details for Inland Navigation—Mushroom Ventilators (1957) .....	.60	R71 Photographic Sound Record on 16mm Prints (1958) (Embodyed in American Standard PH22.41-1957) .....	.60
R43 Aircraft Jacking Pads (1957) .....	.60	R72 Sound Records and Scanning Area of 35mm Double Width Push-Pull Sound Prints (Normal and Offset Centerline Types) (1958) (Embodyed in American Standards PH22.69-1948, R1953 and PH22.70-1948, R1953) .....	.60
R44 Directions of Operation of Toggle Switches on Aircraft (1957) .....	.60	R73 Image Produced by Camera Aperture and Projected Image Area for 35mm Films (1958) (Embodyed in American Standards PH22.58-1954 and PH22.59-1954) .....	.60
R45 Aircraft Pressure Refueling Connections (1957) .....	.60	R74 Image Produced by Camera Aperture and Projected Image Area for 8mm Films (1958) (Embodyed in American Standards Z22.19-1950 and PH22.20-1957) .....	.60
R46 Aircraft Fuel Nozzle Grounding Plugs and Sockets (1957) .....	.60	R75 Plastics, Determination of Temperature of Deflection Under Load (1958)	1.20
R47 Aircraft Toilet Flushing and Draining Connections (1957) .....	.60	R76 Ball and Roller Bearings—Methods of Evaluating Static Load Ratings (1958) (Embodyed in American Standard B3.11-1959)	1.80
R48 Determination of Hardness of Vulcanized Natural and Synthetic Rubbers (1957)	1.20	R77 Bibliographical References, Essential Elements (1958)	1.20
R49 Malleable Cast Iron Pipe Fittings Screwed in Accordance with ISO Recommendation R7 (1957)	4.80	R92 Definition of Side (Left or Right) of Spinning Machinery (1959) .....	.60
R50 Steel Sockets Screwed in Accordance with ISO Recommendation R7 Minimum Lengths (1957) .....	.60		

ISO No.	Price
R93 Cylindrical Sliver Cans (1959).....	.60
R94 Spindle Gauges for Ring-Spinning and Ring-Doubling Frames (1959) .....	.60
R95 Rings for Ring-Spinning and Ring-Doubling Frames for "C" Travellers (Reversible) (1959) .....	.60
R96 Rings for Ring-Spinning and Ring-Doubling Frames for "C" Travellers (Non Reversible) (1959) .....	.60
R97 Rings for Ring-Spinning and Ring-Doubling Frames for Ear-Shaped Travellers (1959).....	.60
R98 Diameters of Drafting Rollers, for Cotton, Wool, Spun Silk and Staple Fibre (1959).....	.60
R99 Diameters of Pulleys for Flat Transmission Belts (1959) .....	.60
R100 Crowns of Pulleys for Flat Transmission Belts (1959) .....	.60
R101 Width of Sheets of Paper (1959).....	.60
R102 Gravity Filling Orifices for Aircraft (1959).....	.60
R103 Sizes and Mounting Dimensions of Aircraft Instrument Cases (Rear-Mounting Type) (1959). .	.60

ISO No.	Price
R108 Weaving Looms, Definition of Side (Left or Right) (1959) .....	.60
R109 Weaving Looms, Working Width (1959).....	.60
R110 Paper Cones for Yarn Winding (Cross Wound) Taper 9°15' (1959).....	.60
R111 Paper Cones for Yarn Winding (Cross Wound) Taper 4°20' (1959).....	.60
R112 Paper Cones for Yarn Winding (Cross Wound) Taper 3°30' (1959).....	.60

Bulletins of the ISA (the organization that preceded ISO) distributed pending reaffirmation by ISO.

ISA Bulletin No.	Price
9 Rules for Measuring the Flow of Fluids by Means of Nozzles and Orifice Plates (Chapters 1-5)...	1.25
12 Rules for Measuring the Flow of Fluids by Means of Nozzles and Orifice Plates (Chapters 6-7)...	.75
25 ISA Tolerance System for Limits and Fits .....	.25

IEC Recommendations

The following publications of the International Electrotechnical Commission are available from the American Standards Association. All recommendations are published in French-English editions. Russian-English editions are also available for those recommendations preceded by a check (/).

IEC No.	Price
27 International Letter Symbols Used in Connection with Electricity — Quantity Symbols—Alphabets and Letter Type (third edition, 1953)	1.20
28 International Standards of Resistance for Copper (1925) .....	.80
*34-1 Recommendations for Rotating Electrical Machinery (Excluding Machines for Traction Vehicles) (fifth edition, 1953, Part I)	2.00
34-2 Recommendations on Determination of Efficiency of Rotating Electrical Machinery (Excluding Efficiency of Traction Motors) (fifth edition, 1955, Part II)	2.00
34-3 /Recommendations for Preferred Standard 3,000 rev/min, 3-phase, 50 c/s Turbine-Type Generators, Part III (1958).....	2.40
*35 International Symbols, Graphical Symbols for Heavy-Current Systems (1930, Part II) <i>Out of print</i>	
38 Standard System Voltages (third edition, 1954)	1.20
*43 Recommendations for A-C Watt-Hour Meters (1931) .....	.80
*44 Recommendations for Instrument Transformers (1931)	<i>Out of Print</i>
45 /Recommendations for Steam Turbines, Part I; Specification (second edition, 1958).....	3.20
48 Rules for Electric Traction Motors (third edition, 1955)	2.00

* A new edition is now being prepared.

IEC No.	Price
50(05) International Electrotechnical Vocabulary Group 05: Fundamental Definitions (second edition) ..	3.20
50(07) International Electrotechnical Vocabulary, Group 07: Electronics (second edition, 1956)	4.80
50(10) International Electrotechnical Vocabulary, Group 10: (second edition, 1956) Machines and Transformers	3.20
50(11) International Electrotechnical Vocabulary Group 11: Static Converters (second edition, 1956) ..	2.00
50(12) International Electrotechnical Vocabulary Group 12: Transductors (second edition, 1955)	1.50
50(15) International Electrotechnical Vocabulary, Group 15: Switchboards and Apparatus for Connection and Regulation (second edition, 1957) ..	3.20
50(16) International Electrotechnical Vocabulary, Group 16: Protective Relays (second edition, 1956) ..	2.40
50(20) International Electrotechnical Vocabulary Group 20: Scientific and Industrial Measuring Instruments (second edition, 1958)	3.60
50(30) International Electrotechnical Vocabulary, Group 30: Electric Traction (second edition, 1957) ..	3.60
50(31) International Electrotechnical Vocabulary Group 31: Signalling and Security Apparatus for Railways (second edition, 1959).....	3.20
50(35) International Electrotechnical Vocabulary, Group 35: Electrochemical Applications (1958)	2.40
50(45) International Electrotechnical Vocabulary, Group 45: Lighting	4.00
50(70) International Electrotechnical Vocabulary Group 70: Electробиология (second edition, 1959).....	2.40

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IEC No.	Price	IEC No.	Price
*52 Rules for the Measurement of Test-Voltage at Power-Frequencies in Dielectric Tests by Sphere Gaps (1935).....	<i>Out of print</i>	65 Safety Requirements for Electric Mains-Operated Radio Receiving Apparatus (1952) (CCE 1) (Including Appendix I, 1955, Appendix II, 1955, and Amendment I, 1958) (Appendices and Amendment also sold separately)	6.00
53 Schedule of Information to Be Given with Enquiries and Orders for Electrical Machines (1935)	<i>Out of print</i>	Appendix I: Particular Specifications for Electric Mains-Operated Amplifiers (1955)	1.60
54 Recommendations for Standard Direction of Motion of Operating Devices and for Indicating Lamps for Circuit-Breakers (1936) .....	.80	Appendix II: Particular Specifications for Independent Loudspeakers (1955).....	1.60
55 Recommendations for Tests on Impregnated Paper-Insulated Metal-Sheathed Cables for Voltages of 10 kv to 66 kv (excluding Gas-Pressure and Oil-Filled Cables) (second edition, 1957)	2.00	✓Amendment I: to 1952 edition and 1955 Appendices (1958) .....	.80
56-1 Specification for Alternating-Current Circuit Breakers, Chapter I: Rules for Short-Circuit Conditions (second edition, 1954), including supplement 56-1-A (1959)	7.60	Specification for Fuses for Voltages Not Exceeding 1,000 Volts for AC and DC (1955)	2.00
56-1-A Supplement to Chapter I, Rules for Short-Circuit Conditions		66 Dimensions of Electronic Tubes and Valves (1954) (Including 1955, 1957 and 1958 Supplements) (Supplements also sold separately).....	12.40
a) Recommendations for the Unit Testing by Direct Methods of Circuit-Breakers for Making-Capacity and Breaking-Capacity	3.60	Supplement I Part I: Bases (1955) .....	.80
b) Methods of Determining Inherent Restriking-Voltage Waveforms		Supplement II (1957)	3.20
56-2 Specification for Alternating-Current Circuit Breakers—Chapter II: Rules for Normal Load Conditions, Part 1: Rules for Temperature-Rise (1955)	2.00	Supplement III (1958)	2.40
56-3 Specification for Alternating-Current Circuit Breakers, Chapter II: Rules for Normal Load Conditions, Part 2: Rules for Operating Conditions, Part 3: Co-ordination of Rated Voltages, Rated Breaking-Capacities and Rated Normal Current (1959)	3.20	68 Basic Climatic and Mechanical Robustness Testing Procedure for Components for Radio-Communication (1954)	<i>Out of print</i>
56-4 Specification for Alternating-Current Circuit Breakers, Chapter III: Rules for Strength of Insulation; Chapter IV: Rules for the Selection of Circuit-Breakers for Service; Chapter V: Rules for the Erection and Maintenance of Circuit Breakers in Service (1959).....	4.80	69 Recommended Methods of Measurement of Receivers for Amplitude Modulation Broadcast Transmissions (1954) (Embodying in American Standard C16.19-1951)	4.00
59 Standard Current Ratings (1938).....	.50	70-1 Specification for Capacitors for Power Systems (Part I) (1954)	1.20
*60 General Specifications for Impulse-Voltage Tests (1938) .....	.40	70-2 Specification for Capacitors for Power Systems (Part II) (1955)	1.50
61 International Recommendations Regarding Lamp Caps and Holders Together with Gauges for the Control of Interchangeability (1952) (Including 1953, 1956 and 1958 Supplements)....	5.00	70-3 Specification for Capacitors for Power Systems (Part III) Capacitors for Use Under Tropical Conditions (1957)	1.20
(Supplements also sold separately)		71 Recommendations for Insulation Co-ordination (second edition, 1958)	2.40
Supplement I 1953 .....	.50	72-1 Recommendations for the Dimensions and Output Ratings of Electric Motors, Part I: Foot-Mounted Induction Motors with Shaft Heights between 56 and 315 Millimeters (2½ and 12½ inches) (third edition, 1959).....	2.40
Supplement II 1956	1.20	73 Recommendations Regarding the Color of Push-Buttons (1955) .....	.60
Supplement III 1958	1.20	74 Insulating Oils (Report on the Work of the Permanent Sub-Committee of Technical Committee No. 10) (1955) .....	.80
62 Color Code for Fixed Resistors (1952) .....	.50	75 Specification for Porcelain Insulators for Overhead Lines with a Nominal Voltage of 1,000 Volts and Upwards (first edition, 1955)	2.40
63 Series of Preferred Values and Their Associated Tolerances for Resistors and Capacitors (1952) (Identical with American Standard C83.2-1949) .....	.50	76 Recommendations for Power Transformers (1955)	4.00
64 International Specification for Tungsten Filament Lamps for General Service (second edition, 1954) (Including 1957 Supplement).....	<i>Out of print</i>	77 Specification for Electrical Control Equipment Installed on Motor Vehicles (1955)	2.00
First Supplement—Specification for Tungsten Filament Lamps with a Life of 2500 Hours (Must be used with IEC Publication 64) .....	.80	78 Characteristic Impedances and Dimensions of Radio-Frequency Coaxial Cables (1956).....	.80
		79 Recommendations for the Construction of Flame-proof Enclosures of Electrical Apparatus (1957)	3.00
		80 Specification for Fixed Paper Capacitors for Direct Current (1956)	3.20
		*81 Specification for Tubular Fluorescent Lamps for General Lighting Service (1956)	2.00

* A new edition is now being prepared.

IEC No.	Price	IEC No.	Price
82 Recommendations for Ballasts for Fluorescent Lamps (1956) with Amendment No. 1 (1959). [Amendment No. 1 (1959) sold separately, 40¢]	2.80	98 Recommendations for Lateral-Cut Commercial and Transcription Disk Recordings (1958) (including Supplement 98-1, which is also sold separately)	4.00
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Index to Titles of American Standards and International Recommendations

The following is an index to subject words in the titles of American Standards and ISO and IEC Recommendations. American Standards are listed on pages 6-51, under the general subject in which they are classified; for example, Civil Engineering, A; Mechanical Engineering, B; Electrical Engineering, C. For a complete list of subjects and their symbols, see Table of Contents, page 1. The standards are listed in alphabetical-numerical sequence. Thus American Standard B5.20 can be found under section B—Mechanical Engineering, in numerical order under B5. In the listing, the number following the hyphen is the year in which the standard was approved by the American Standards Association.

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